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Conditions of the Cotton Textile Industry.  
Forestry in Taiwan.  
The Currency Reform of August 19th.  
Production of Raw Silk and Silk Trade in China: Annotated Statistics.  
Notes on Coal in Kiangsi.

ANNEX

Supplementary Measures for the Readjustment of Finance (August 26, 1948).  
Revised Text of Articles 3, 4 and 5 of the Commodity Tax Regulations.

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The Taiwan Engineering Monthly	(Taiwan Kung Ch'eng Chieh)
Textile Reconstruction Monthly	(Fang Chih Chien Sho)

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China Cotton Information (Chung Kuo Mien Hsin)  
The New China Magazine (Hsin Chung Hwa)

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The Central Bank Weekly	(Chin Yung Chou Pao)
The Economics Weekly	(Ching Chi Chou Pao)
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The Observer	(Kuan Ch'a)
The Textile Weekly	(Fang Chih Chou K'an)
The Weekly Review of Laws	(Fu Ling Chou K'an)

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Topics:	Conditions of the Cotton Textile Industry.	Document No: 103
Author:	Chi Ch'ing-wei	Nature: Translation, final section omitted.
Periodical:	The Textile Weekly (Fang Chih Chou Kan)	Number of pages: 12
Date of Issue:	July 1, 1948.	Remarks: Original title is: "Present Status and Trends of the Cotton Textile Industry."

CONDITIONS OF THE COTTON  
TEXTILE INDUSTRY.

Although this article shows a certain bias and lack of discrimination, - chiefly in its second half - it is given there for the information of our readers of representing criticisms often expressed among private cotton mill owners.

The Editor

I. - Recent Production.

The restoration of the cotton textile industry in China since the war has been smooth and rapid for the following reasons. Owing to its concentration in large coastal cities, the industry has suffered little destruction or loss from civil war-fare, and since the war, the demand for cotton goods, both at home and abroad, has exceeded the supply, so that the profits have been relatively high. Again, immediately after the conclusion of the war, the foreign exchange policy was favorable to the industry and the supply of cheap US cotton was abundant, and although the supply of native cotton has occasionally been interrupted in the past year, the industry has managed to carry on by using the raw cotton in stock, UNRRA supplies, and cotton exchanged for cotton goods from abroad.

The trend towards increase of production since the fall of 1945 is shown in the following table, to which prewar production figures are attached:

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Year	Output of Cotton Yarn (bale)	Output of Cotton Piece Goods (bolt)
1932	2,398,093	20,233,710
1933	2,449,313	20,121,900
1934	2,386,476	23,465,437
1935	2,402,775	24,983,078
1936	2,126,763	25,889,375
1937	2,141,177	30,478,850
1946	1,300,000	13,930,000
1947	2,050,000	22,400,000

The figures for 1946 and 1947 are estimated according to statistics published by the China Textile Industries Development Incorporated, and member factories of the Sixth District Cotton Textile Industry Association. Thus we learn that the output in 1947 was near the 1937 level, though still below that for the period 1934-37.

The postwar production of cotton products in China is represented concretely by the output of the China Textile Industries Development Incorporated (CTI) and the member factories of the Sixth District Cotton Textile Industry Association. The following table shows the CTI output since 1946:

Monthly Output of Cotton Yarn and Cotton Piece Goods of the China Textile Industries Development Inc. During the Period Jan. 1946-April 1948.

Month	Cotton Yarn (bale)	Cotton Piece Goods (yard)
1946 January	4,932.84	4,880,458
February	9,510.35	8,399,863
March	18,763.52	18,474,399
April	27,174.21	26,596,917
May	32,830.58	29,765,642
June	34,738.21	32,572,602
July	40,291.21	38,514,717
August	43,342.75	39,756,359
September	44,891.68	39,079,105
October	53,170.63	45,326,035
November	58,719.8	48,427,034
December	58,537.94	49,037,843
Total for 1946	426,403.90	380,830,974
1947 January	47,728.51	40,039,524
February	56,422.66	47,146,275
March	61,547.65	51,122,297
April	68,648.26	56,970,868
May	66,289.18	56,057,811
June	62,015.16	53,929,337
July	62,140.80	54,564,801
August	67,885.04	52,988,661
September	67,337.39	58,823,730
October	65,454.81	58,246,399
November	65,454.81	56,001,411
December	58,699.15	50,374,600
Total for 1947	645,689.78	637,111,747
1948 January	58,419.31	49,503,589
February	50,658.91	42,472,541
March	65,952.33	56,925,991
April	65,482.96	55,804,602

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The above table indicates clearly that the production was on an upward trend until April 1947. The decline which followed, was due to four main causes: the power shortage in Shanghai affected the operation of the factories; the spread of civil warfare in the north-eastern provinces reduced the output by 3/4 to 12/20; the operation of plants in Tsingtao and Tientsin was interrupted owing to the coal and cotton shortage; the output in February 1948 was lower as a result of the Chinese New Year holidays.

The production figures for March and April this year were mounting, but were still below the peak of April and May 1947.

Meanwhile, the operation of private mills in Kiangsu, Chekiang and Anhwei, all under the Sixth District Cotton Textile Industry Association, has been more successful than that of the China Textile Industries Development Inc. as shown in the following table:

Output of Cotton Yarn and Cotton Piece Goods  
of Private Mills under the Sixth District  
Cotton Textile Industry Association  
January 1946 - April 1948.

Month	Cotton Yarn (bale)	Cotton Piece Goods (bolt)
1946 January	29,284	85,386
February	25,888	90,721
March	39,065	138,765
April	44,102	222,253
May	54,180	277,346
June	54,837	333,975
July	62,638	330,143
August	66,204	344,930
September	66,492	359,826
October	76,500	418,171
November	80,114	302,525
December	81,488	445,047
Total for 1946	680,792	3,749,388
1947 January	67,605	393,692
February	74,561	480,655
March	80,580	559,572
April	81,852	594,823
May	83,943	606,891
June	79,585	658,428
July	79,145	572,016
August	78,456	566,449
September	85,104	625,236
October	89,640	662,520
November	89,200	609,787
December	89,015	689,833
Total for 1947	978,687	7,020,802
1948 January	83,998	722,036
February	83,726	741,258
March	94,674	784,135
April	89,733	762,227

Note : The figures for the months January-April 1948 indicate the production of large private mills in Kiangsu, Chekiang and Anhwei; the output of small mills, with 120,000 spindles being not included.

From the above table, we might notice that the output of the private mills was ever on an upward trend since 1946, though owing to the power shortage in Shanghai and Chinese Lunar New Year holidays, a decline was noted in June-August 1947 and January-February 1948. The output became high again in March 1948, and dropped in April due to the cotton shortage. However the output of cotton piece-goods was above that in December 1947. All in all, the total production of cotton yarn of the private mills in the sixth district in 1947 surpassed that in 1946 by 41% and cotton piece-goods, 109%. The increase made in 1948, as compared with that in 1947, has been limited. As compared with that in the last year, the output of cotton yarn in April 1948 increased by 9.6%, that of cotton piece-goods, 28%, and as compared with that in December 1947, cotton yarn increased by 8%, and cotton piece-goods, 10%.

The improvement of the operating rate of the CFI and private mills in the sixth district is compared in the next table:

Month	% of Yarn Spindles in operation		% of Looms in operation	
	Private Mills	CFI Mills	Private Mills	CFI Mills
1946 January	42	31	19	36
February	45	24	23	32
March	54	41	28	51
April	61	57	34	63
May	66	66	44	70
June	70	64	43	69
July	72	68	44	60
August	74	68	46	63
September	77	67	49	62
October	82	75	51	76
November	81	71	53	63
December	82	64	55	57
Average, 1946	67	58	41	58
1947 January	82	68	50	60
February	84	73	52	63
March	85	75	57	65
April	79	78	59	67
May	84	78	66	68
June	85	78	69	65
July	84	74	69	63
August	84	75	70	64
September	87	82	72	69
October	87	79	65	66
November	88	79	74	66
December	88	81	73	67
Average, 1947	83	77	65	65
1948 January	94	78	82	66
February	93.5	78	80	64
March	94.5	84	81	70
April	94.5	84	79	71
Average, 4 months	94	81	80	68

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From the above table we may conclude that the operating rate of all the mills has been increasing, but the increase of operating rate of the private mills has been more rapid than that of CTI mills. Despite the objectively favorable environment of the CTI, the private mills have shown more active effort in restoring productivity.

With an operating rate of 94% for spindles of private mills, 81% for CTI spindles, 82% for looms of private mills, and 71% for CTI looms; the productivity of all the mills has almost reached saturation point. Unless new machines are installed, or new stimulating factors are present, neither the state-operated nor the private mills can appreciably increase their production.

The production of textile mills in Tsingtao and Tientsin may be represented by the figures for the CTI plants in these two places.

Output of Cotton Yarn and Cotton Piece Goods  
of CTI Plants in Tsingtao and Tientsin  
1946 - 1948.

Period	Cotton Yarn (bale)		Cotton Piece Goods (bolt)	
	<u>Tsingtao</u>	<u>Tientsin</u>	<u>Tsingtao</u>	<u>Tientsin</u>
1946 monthly average	7,112	6,618	155,829	179,026
1947 monthly average	12,178	15,375	266,547	404,122
1948 January	5,062	17,591	103,115	461,373
February	7,568	13,155	159,063	341,734
March	9,511	18,566	209,182	496,240
April	13,000	12,647	292,417	360,023

On account of the coal shortage, the plants in Tsingtao have partially suspended operation for a considerable length of time since the end of last year. Their original productivity had not been restored even by April. The plants in Tientsin were one after another forced to suspend production for two months this year owing to the shortage of raw cotton and coal. Continuous production in these plants will depend on the supply of raw materials and coal.

No statistics are available for the production in other districts.

II. - Textile Equipment Added and Scrapped  
during the Past Two Years.

According to the National Textile Industry Association, the equipment of all the textile mills in China in 1947 was as follows:

District	No. of Mills	Yarn Spindles	Thread Spindles	Looms
1st District (Szechuan)	18	193,772	---	1,196
2nd District (Shensi)	6	94,865	1,152	1,560
3rd District (Yunnan)	3	29,476	---	140
6th District (Kiangsu, Chekiang, Anhwei)	156	2,925,508	387,156	33,891

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7th District (Hopeh)	12	443,523	50,124	10,700
8th District (Hunan, Hupch, Kiangsi)	9	217,800	1,240	21
9th District (Shantung)	12	403,000	41,580	2,457
Shansi, Honan, Taiwan				
Kwangtung, North East	22	387,760	15,806	6,540
Foreign mills	5	66,141		48
Total	241	4,761,955	507,058	64,013

The losses of cotton mills are heaviest in the Northeast. Of the five mills taken over by the China Textile Industry Development Incorporated in Liaoyang, Yingkow, Chingchow, Antung and Fuchow, with 223,208 yarn spindles, 13,420 thread spindles and 5,330 looms; the mills at Antung, Liaoyang, Yingkow and Fuchow were lost (though 20,000 yarn spindles were removed from Liaoyang to Mukden) and only the mills at Chingchow and Mukden remain with 70,000 spindles. The Ta Hsing Textile Mill at Shieh-chiachuang, Hopeh, with 20,633 yarn spindles and 500 looms, also fell into the hands of the Communists with the fall of that city last year. Paochi and Ts'ai chiap'o, Shensi came under Communist occupation recently, but fortunately, the Shen Hsin No.4 Mill and the Twaichiap'o Textile Mill escaped destruction.

The number of machines in the mills in Shanghai, Kiangsu, Chekiang, and Anhwei has been increasing since 1945. The number of yarn spindles had been raised from 1,789,512 in January 1946 to 1,893,978 in December 1946; that of looms, from 14,942 in January to 17,674 in December 1946. 120,263 yarn spindles and 1,179 looms were added in the year 1947. By the end of December 1947, the mills in the sixth district possessed 12,012,488 yarn spindles and 18,853 looms. During the period July 1947 - April 1948, 12 new textile mills were established with 65,388 yarn spindles and 495 looms.

In the CII mills in Shanghai, 16,560 yarn spindles and 1,610 looms have been repaired since January 1946. The mills now possess 897,556 yarn spindles and 18,197 looms.

### III. - Cotton Control<sup>1)</sup> and the Textile Industry.

The Cotton Control Commission has been established for 5 months. What has it accomplished? How has it influenced the textile industry?

The Cotton Control Commission was created to enforce an overall control of cotton, cotton yarn and cloth with a policy of collection and centralized marketing, spinning and weaving of raw cotton. The Commission has failed in all these aims, and because of political entanglement, its policies have changed frequently and irregularly. For instance, at first the collection of cotton was entrusted to the China Textile Industry Development Incorporated, later, as a result of their protest to the Joint Office of Cotton Merchants in Shanghai, and finally in answer to their appeal, the cotton merchants in Hupch were also included. Regarding the purchase of cotton by cotton mills, the Commission originally ruled that mills with less than 3,000 spindles might themselves undertake the purchase, yet, finally when the Commission could not furnish the cotton required, permits to purchase were issued to all mills. The official price of cotton, under the manipulation of the cotton merchants, has been raised frequently, following the market prices, when the price was high and all mills

EDITOR'S NOTE: 1) See also "Cotton Control in China: its many difficulties" in Monthly Bulletin No. XVII (April 1948) Study XVI.

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were busy purchasing, the Commission stopped buying, and when the price was high in Shanghai, it dumped cotton. Stranger still, the Commission sold and bought cotton in Shanghai at the same time. All these facts show that the control has been a gross failure.

In the past five months, only 500,000 tan of cotton have been collected by the China Textile Industry Development Incorporated, the Joint Office of Cotton Merchants and the Commission itself. This is far below the original aim of 5,000,000 tan for this year which was later cut down to 3,000,000 tan. As a consequence of failure in the collection of cotton, the overall cotton control plan came into a state of bankruptcy, for without cotton, neither centralised spinning and weaving, nor control, is possible. To pacify the textile mills the Commission occasionally allocated a small quantity of cotton to them in exchange for cotton yarn, on exacting terms.

The "accomplishments" of the Cotton Control Commission in the past five months have indicated that the control of cotton, yarn and cloth and the policy of centralised collection and sale of cotton are not feasible. We do not regret the failure of the Commission for if the Commission were determined and competent, the failure would have been much more tragic and the losses of productive enterprises would have been much greater. Nevertheless, the cotton textile industry has been greatly harmed by the Commission because:

i/ Owing to lack of planning and preparation the collection policy of the Commission caused the mills to miss the time for collection of native cotton, thus deepening the crisis of the shortage of raw materials.

ii/ Owing to the former discriminating attitude of the Commission in the export of cotton goods, it failed to obtain large quantities of cotton from India.

iii/ The severe control has created such an atmosphere that the management as well as the people in the business are thrown into a state of fear and annoyance, thus greatly reducing their efficiency. Hongkong has been chosen for the establishment of new mills. Capital has found its outlet in hoarding, or the purchase of US notes and gold. Even the technical staff have shown little interest in improving the productive technique.

iv/ The Commission, employing more than 700 staff members, has raised its monthly outlay from CN\$30,000,000,000 to CN\$60, - 70,000,000,000. An American adviser with a monthly salary of US\$2,000 has been engaged recently. All these expenses are borne by the textile industry using up the fund for its improvement as regulated by the Ministry of Economic Affairs. The Commission has had to make money by monopolising the trade in cotton goods in order to cover its expenses. Being a parasite, living on the textile industry, the Cotton Control Commission has done nothing for the betterment of the textile industry in the past five months, but only threatened, interfered and set up handicaps. The continuous existence of this organization can only be unfavourable to the textile industry as well as to the government. 1)

EDITOR'S NOTE: 1) On July 17th the Legislative Yuan made a resolution asking for the prompt abolishment of the Cotton Control Commission.

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The authorities seem to have given superficial attention to the development of the textile industry. A 5-year plan aiming at an increase of 5,000,000 spindles (also revised to 3,000,000 spindles) was brought up at the Textile Industry Production Meeting held under the auspices of the Ministry of Economic Affairs in October last year. At the Textile Machinery Manufacture Meeting held in Shanghai by the Ministry of Economic Affairs on March 12, 1948, a resolution was passed to manufacture 200,000 spindles and 7,000 looms in one year. This second plan seems to be more practical. In the second meeting, detailed points concerning the types of machines, raw materials required, plants undertaking the manufacture, financial resources, etc., were also formulated and a Supervisory and Guidance Commission for the Manufacture of Textile Machinery was created and put in charge of the undertaking. Up to the present, the Commission has been organized, but the manufacturing has not been begun. Actually, it would not be difficult for China to produce 200,000 spindles in one year, provided there were strong organizing power and sound coordination.

It is strange that the Government is promoting the manufacture of textile machineries at home and at the same time forbidding the import of machines which have been ordered from abroad and delivered. The Government's attitude is based on the ground that there is little foreign exchange to be granted for the purchase of machinery from abroad and if the import of machinery paid with privately owned foreign exchange were allowed, the industrialists would have to seek foreign exchange from the black market thus stimulating the rise of commodity prices. Nevertheless, there are ways of settling the problem, provided the Government has determination and sincerity. The Government should make an overall investigation on the textile machinery ordered from abroad, and the margin of foreign exchange paid, and then direct the mills to import the machinery by instalments paid with foreign exchange derived from the export of cotton goods. This measure compares favorably with the present practice of forcing the industrialists to purchase foreign exchange from the black market to pay for machinery and the construction of buildings in Hongkong.

#### 4. - The Export of Cotton Goods.

Ever since the conclusion of the war, the Chinese textile industry has dreamed of taking over the market in the South Sea Islands, formerly controlled by Japanese goods. Owing to internal restlessness and the lack of foresight the quantity of cotton products exported has been far below the original expectation.

Owing to urgent needs at home, the Government at first prohibited the export of cotton goods, until at the beginning of 1947, in order to obtain much-needed foreign exchange, the China Textile Industry Development Inc. was permitted to export a part of its products. After the resignation of Mr. T.V. Soong, and the establishment of the Textile Enterprise Regulating Commission, the Government at the request of private mills, set up a Cotton Products Export Commission and permitted the export of 1/10 of the native cotton products, the figure being later increased to 2/10. The China Textile Industry Development Inc., during the period Feb. 1947-April 1948, fourteen months in all, according to its own records exported 6,533 bales of cotton yarn and 187,503 bolts of cotton piece goods directly, 4,647 bales of cotton yarn and 648,300 bolts of cotton piece goods on behalf of the Central Bank of China, US Bonds, 3,033 bales of cotton yarn and 74,678 bolts of cloth on behalf of the Central Bank of China for US Dollar Bonds; 8,313

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bales of cotton yarn and 639,489 bolts of cotton piece goods for the Cotton Products Export Commission, totalling 22,525 bales of cotton yarn and 1,550,976 bolts of cotton piece-goods. Thirty to forty thousand bales of cotton yarn were also exported by private mills either in direct exchange for Indian cotton or for cotton through the Cotton Products Export Commission. These figures are small in consideration of the high demand throughout the world and our supplying capacity. It is a pity that we have not grasped our opportunity in the past two years when the world has been facing a serious shortage of cotton products."

Why has the export of cotton goods not been as successful as had been expected? The words of Mr. Chang Shun-kung, one of those who actually participated in the work, might be noted: "The China Textile Industry Development Inc. might undertake the export of cotton products, but it is already over-burdened with the work of supplying the troops and civilians, and the stabilization of the prices of cotton goods is an important part of the national economy. Besides, the procedure in official establishments is too complicated. Only 8,000 bales of cotton yarn and 400,000 bolts of cotton piece goods, i.e. 5-8% of its output, were exported in the past four months by the firm. The export of products of private mills has been complicated by the expanding yarn or cloth for cotton at the Cotton Products Export Commission which, instead of promoting export, has found pleasure in such passive work as checking, examination, registration, and exaction, exploiting the interest of private mills. While giving no direction regarding the development of the textile industry, it is ever on the watch lest the child be spoiled by being given too much candy". (The Textile Weekly Vol. IX. No.15.)

The fact remains that, besides this lack of assistance, the Government has actually participated in the division of the loot. The export of cotton goods must be approved by the Cotton Products Export Commission, 60% of the profit going to the Central Bank of China and the remaining 40% to the textile mills. As already mentioned a half of the export took the form of exchanging yarn for cotton. For every bale of 20's yarn, 726.75 pounds of cotton are given by the Central Bank, which thus reaps a huge profit. No wonder the Government has been very strict in examining the exchange rates adopted by the mills in exchange for foreign cotton. Many business transactions have not been approved. It has not been realized that while the quotations of cotton products are dropping throughout the world, the maintenance of our prices only spoils the opportunity for export.

The export of cotton products has been further handicapped by the prevalent smuggling. Since only 20% of the cotton products are allowed to be exported, and as a result of the depreciation of Chinese currency, a large quantity of cotton products find their way to Hongkong for Canton. The flood of smuggled goods has caused the prices in Hongkong to drop, thus affecting the sale of legally exported cotton products.

The smuggling is not limited to cotton yarn and piece goods. Owing to the unfavourably low exchange rate, many other cotton products have been smuggled out too. This is one of the main causes which have prevented a large-scale export of cotton products.

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Many people are afraid of the threat of competition from the Japanese textile industry. It should be known however, that there are only 2,000,000 spindles in Japan at present, as against China's 4,700,000 spindles. Whereas a part of the cotton used in China is native cotton, Japan has to use American cotton entirely. And the labor costs in Japan are almost as high as in China. Thus, with a sound policy, and cutting the prices and profit to a reasonable level, our products might compete with those of Great Britain, USA, Japan or other countries. The quality of the goods should be such that they might appeal to foreign taste. Under these conditions the textile industry in China might find itself in a superior position in the world market.

( End )

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## FORESTRY IN TAIWAN

## I. Forests on the Island.

Forests cover 1,901,040 hectares or 52.83% of the whole area of Taiwan (see Table I below) while pasture land occupies 562,552 hectares or 15.64%. Rich reserves of valuable trees totalling 185,243,338 cubic metres (see Table II) are found in the sub-tropical and temperate zones: broad leaved trees on the Central Mountain Range stretching northward from the Tawushan along the Hengch'un Peninsula; coniferous woods on the Northern and Western slopes of the Alishan and Mount Morrison near the centre of the island; and mixed forest on the Luntashan also near the centre and on the Luch'angtashan and Ch'ilanshan in the North.

Table I. Areas covered by different categories of trees in Taiwan.

Broad leaved timber	683,560 hectares
Coniferous timber	187,484
Mixed broad leaved and coniferous timber	133,626
Bamboo forests	2,645
Land bearing scattered trees of various kinds	91,323
Tree plantations	42,660

Table II. Reserves of timber trees.

A. BROAD LEAVED TREES:	
<i>Taxus cuspidata</i> Get Z.	174,403 cub. m.
<i> Zelkova formosana</i> Hayata	146,450
<i>Cinnamomum camphora</i> Nees.	100,387
<i>Acacia confusa</i> Merrill	77,055
Others	105,441
TOTAL	103,247,955 cub. m.

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## B. CONIFEROUS TREES:

<i>Chamaecyparis formosensis</i>	
Matsu	17,516,821 cub. m.
<i>Chamaecyparis obtusa</i> Sieb	16,879,983
"Hsiang Shai" cedar	1,100,196
<i>Taiwania cryptomerioides</i> Hay.	642,606
<i>Cryptomeria japonica</i> Donn.	15,702
"Chia Sung" pine	5,787,834
Other pines	10,934,432
<i>Picea morrissonicola</i> Hay.	4,058,882
<i>Tsuga chinensis</i>	3,006,928
<i>Libocedrus formosana</i>	438,907
Others	600,092
TOTAL	78,595,383 cub. m.

Generally speaking, the trees on this island are distributed in the following areas:

a) BROAD LEAFED TREE AREAS: These are the most flourishing of all forested regions and cover the largest area. The trees consist mainly of *Fagaceae*, though coniferous trees are intermixed in some parts, e.g., *Keteleeria davidiana* Beissen in the Southern and Northern parts, and *Pinus densiflora* Set Z. in the Central part (300 - 2,300 m. above sea level). The principal kinds of broad leaved trees are as follows:

<i>Machilus kusanoi</i> Hayata	<i>Bischoffia javanica</i> Bl.
<i>Lithocarpus uraiana</i> Hayata	<i>Castanopsis taiwaniana</i> Hayata
<i>Iagoratroemia subcostata</i> Kochne	<i>Castanopsis kawakamii</i>
<i>Juglans formosana</i> Hayata	<i>Taxus chinensis</i>
<i>Pistacia chinensis</i> Bunge	<i>Quercus Mori</i>
<i>Zelkova formosana</i> Hayata	<i>Engelhardtia formosana</i>
Var formosana Kan	

b) CONIFER AREAS: Forests in high mountain sectors consist of coniferous trees only. Though these regions differ in height in the South and in the North, their average altitude is more than 1,800 m. above sea level. *Chamaecyparis formosensis* Matsun grown on lower land and *Chamaecyparis obtusa* Sieb in higher parts, form the largest reserves. Other trees are:

<i>Keteleeria davidiana</i> Beissen	<i>Pinus formosana</i> Hay.
<i>Tsuga chinensis</i>	<i>Pinus armandi</i> Hay.
<i>Cunninghamia konishii</i> Hay.	<i>Abies kawakamii</i> Hay.
<i>Picea morrissonicola</i> Hay.	<i>Taiwania cryptomerioides</i>

c) COASTAL AREAS: Forests which can stand the sea water when tides are high, appear on the Northern and Southern coasts, while they are a rarity both in the well cultivated West and on the Eastern coastal areas where precipices predominate. Such coastal forests are especially found in the Eluanpi-Hengch'un sector on the Southern tip of the island. It is believed that their seeds were floated there from the South Pacific islands, with the help of the monsoons. There exist in this group more than 300 varieties, the most important of which are mentioned below:

<i>Palaequium formosanum</i> Hay.	<i>Pongamia pinnata</i>
<i>Calophyllum inophyllum</i>	<i>Sideroxylon duclitae</i>
<i>Barringtonia asiatica</i>	<i>Sideroxylon fereauineum</i>
<i>Buchanania arborecens</i>	<i>Terminalia catalpa</i>
<i>Excoecaria agallocha</i>	<i>Pittosporum tobira</i>
<i>Thespesia populnea</i>	<i>Entada phaseoloides</i>
<i>Hernandia ovigera</i>	<i>Freyinetia formosana</i>
<i>Pomphis acidula</i>	<i>Pandanus odoratissimus</i>

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d) AREAS OF RHIZOPHORA MUCRONATA LAM.: This kind of tree thrives best near bays and the mouth of rivers; but as the soil of such areas is far from fertile on the island, its growth has been limited to a small region along the coast near Kachidiung. The following are some of the important species grown in this zone:

<i>Rhizophora mucronata</i> Lam.	<i>Centiops tagal</i>
<i>Avicennia marina</i>	<i>Bruguiera conpignata</i>
<i>Lumnitzera racemosa</i>	

e) AGRICULTURAL PLANTATIONS: Banana, tea and other agricultural products are planted both on the plains and in mountainous regions of rather high altitude. Some of the more important are given below:

<i>Acacia confusa</i> Merrill	<i>Mallotus japonicus</i>
<i>Liquidambar formosana</i> Hance	<i>Aphananthe aspera</i>
<i>Alniphyllum Pterospermum</i>	<i>Melastoma septemnerium</i>

## II. Exploitation.

Large-scale and systematic exploitation of the forests in Taiwan is now being simultaneously undertaken by six local offices under the Forestry Bureau: the Forestry offices of the Alishan, Pahienshan, T'ai-p'ingshan, Chutung, Luantashan and T'ai-luke. The timber output of these offices during the year 1947 was as follows: (in cubic metres)

Forestry Office	Total	Timber		Plantations	
		From Natural Forests	From Plantations	From (Coniferous Trees)	Timber Products in Mountains (Coniferous Trees)
Alishan	23,221.511	14,541.434	5,005.031	3,675.046	981.072
T'ai-p'ingshan	37,517.654	37,517.654	---	---	---
Pahienshan	16,660.176	16,660.176	---	---	2,623.067
Chutung	7,890.618	3,356.226	2,059.059	2,439.333	407.779
Luantashan	2,405.600	2,405.600	---	---	1,065.728
T'ai-luke	1,653.567	1,653.567	---	---	---
GRAND TOTAL	89,349.126	76,134.657	7,064.090	6,114.379	5,077.646

Of the above 6 forested regions, the Alishan, Pahienshan and T'ai-p'ingshan are the most completely equipped. The following sections will give some idea as to the present conditions of these three regions.

### 1. The Alishan Forested Region.

The forests, covering most of the mountains at Chiayi and a part of Touliu (both in the Tainan District), have a total area of 31,922 hectares, of which 10,100 hectares can be exploited. Lying near Lat. 23°05' N., the region is crossed by the Tropic of Cancer; its lowest part is at Chuch'ing-shan, Chiayi, 150 m. above sea level, and the highest at Jialingshan, 2,904 m. above sea level. It is estimated that there is now a total reserve of 6,100,000 cub. m. of trees (3,100,000 cub. m. of broad leaved timber and 3,000,000 cub. m. coniferous).

Alishan which is the largest forested mountain, is being exploited by the Alishan Forestry Office whose work now consists mainly in the collection and transportation of the 83,400 m. of logs already felled in the past, which, according to the present transportation capacity, will be completed within 4 years.

The Alishan Forestry Office possesses the following equipment:

a) FOR COLLECTION OF LOGS: There are 9 log-collecting machines.

b) FOR TRANSPORTATION: Railroads at the Alishan reach a total length of 110 km., with 20 steam locomotives, 3 gasoline locomotives, 1 gasoline car, and 306 passenger and freight cars. The engineering work of the railways in Alishan is world-famous. The length of the various lines and the number of tunnels and bridges along them are indicated in the following table:

<u>Name of Line</u>	<u>Length</u>	<u>No. of Tunnels</u>	<u>No. of Bridges</u>	<u>Remarks</u>
Alishan Line Proper	71.798 km.	55	114	using steam
Shuishan Line	10.620	4	31	locomotives
Shuishan Branch Line	7.500	--	65	"
Ch'och'echia Line	9.500	2	41	"
Branch of Sub-Line No. 4	600	--	2	"
Ksianghsuehchan Line	1.000	--	4	"
Shinshuishan Line	2.750	1	26	using gasoline locomotives
Tungp'o Line	5.790	--	--	
Shenmu (Sacred Tree) Branch Line	0.760	--	4	
<b>TOTAL</b>	<b>110.318 km.</b>	<b>62</b>	<b>387</b>	

c) STORAGE: There is a storing office at Chiayi for logs arriving from the forests and loading the logs sold. The dry storage ground covers an area of 8,264 sq. m., and the storing pool, 52,442 sq. m., with a total capacity of 33,000 cub. m. The office is equipped with a 16-ton overhead travelling crane and a 3-ton travelling crane.

d) SAWING: There are altogether 4 saw mills.

e) REPAIRING: Two shops take care of repairing work; one at Chiayi and the other at the Alishan.

Main Equipment of the Repair Shops at Chiayi and Alishan.

<u>Name of Machine</u>	<u>Number at Chiayi</u>	<u>Number at Alishan</u>	<u>Uses</u>
Iron smelting furnaces	3	2	smelting iron for founding
Motors	10 (total- ling 141 HP)	2 (total- ling 20 HP)	running machines
Blowers	3	3	
Chainblocks	8	2	lifting machines
Air hammer	1	1	striking iron
Screw-making machine	1	0	making screws
Fire bed (Huo Ch'uang)	8	1	smelting iron

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Alternating-current welding machines	3	1	welding
Transformers	3	1	stepping up electric power
Band sawing machine	1	0	sawing timber
Lathes	19	4	
Miscellaneous machines	34	2	

## 2. The Pahienshan Forested Region.

Situated near Tungshih and Nengkao in the Taichung District, this region covers all the forests at the Paikushan (3,344 m. above sea level), Lupinshan (2,971 m.), Ch'ilunshan (2,929 m.), Pahienshan (2,401 m.), Tahsuehshan (3,600 m.), Hsiaohsuehshan (3,043 m.), Shaoiaishan (2,329 m.) and Tungmaoshan (1,688 m.), with exploitable forests amounting to 84,971 hectares and a total reserve of 18,459,841 cub. m. (11,617,814 cub. m. of coniferous timber and 6,842,000 cub. m. of broad leaved).

The equipment of the forestry office of this region is as follows:

a) FOR COLLECTING LOGS: There exist 6 collecting machines, 4 of which can be used.

b) TRANSPORTATION: The total length of railroad is 95.67 km., with 32 steam and gasoline locomotives, 304 passenger and freight cars, 440 push-cars, five 8-wheeled cars, and thirty 4-wheeled cars.

Suspension cables are widely used for transporting logs from mountain slopes to the plain:

	<u>Length</u>	<u>Angle of Inclination</u>	<u>Height</u>	<u>Transporting capacity</u>	<u>Year of Completion</u>
P'i-yawai Cable	879 m.	24 degrees	364 m.	45 times <sup>1)</sup> daily	March 1931
Shihwench'i Cable No.1	1,150	28	500	50	Dec. 1938
Shihwench'i Cable No.2	1,276	28	590	50	March 1938
Malun Cable	1,192	26	526	50	May 1940

In addition, 3 inclines (built in 1923) are used for transporting logs, whose daily capacity averages 85 cub. m., and can reach 140 cub. m. at maximum.

	<u>Length</u>	<u>Angle of Slope</u>	<u>Height</u>	<u>Power</u>
Incline No.1	1,159 m.	30 degrees	606 m.	30 HP
" No.2	366	33	300	15 HP
" No.3	466	30.5	203	15 HP

c) HYDRAULIC POWER: There is a hydraulic power plant on the Shihwench'i River (set up in 1922), with a 110 HP turbine and a 3-phase 70 KW alternator.

EDITOR'S NOTE: 1) About to 6 tons can be transported each time.

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d) REPAIRING: 2 repair shops possessing the following equipment:

	Main Machinery	Power	User
Chiapaot'ai Repair Shop	11 rotating plates & machine tools, 4 machines for various uses, welding machines, smelting furnaces, etc.	10.5 HP	repairing locomotives and machines.
Hosheng Repair Shop	6 sets of miscellaneous machine tools, etc.	3 HP	repairing gas-line locomotives.

e) SAW MILLS: One each at Chiapaot'ai and Fengyuan.

f) STORAGE: Installations are as below:

	Area	Storing capacity
Storage Pool	332.7 ares	11,000 cubic metres
Dry storage ground	99.2	4,200
Godown for timber products	6.3	420

### 3. Forested Regions under the T'aiplingshan Forestry Office.

Both the T'aiplingshan and Tayuanshan forested regions are under the administration of the T'aiplingshan Forestry Office.

A. - THE T'AIPLINGSCHAN FORESTED REGION, situated at Lotung and Su-ao in the Taipei District and at Tach'i of the Hsinchu District, includes besides the T'aiplingshan itself, the T'achuanshan (3,390 m. above sea level), Tapachien-shan (3,572 m.), and Nanhutashan (3,633 m.). Sixty-nine per cent of the trees in this region are *Chamaecyparis obtusa* 90%, 20%, *Chamaecyparis formosensis* Matsum., 7%, *Tsuga sieboldii*, Carr., 3%, *Cedrus chinensis* Juss., and 1%, "Ya Shan" cedar.

The exploitation equipment in this forested region comprises the following:

a) FOR COLLECTION OF LOGS: 17 collecting machines.

b) TRANSPORTATION: On the plains, the light railroad between Lotung and T'uch'ang of a total length of 36.4 km. runs along the Southern bank of the Chunhuich'i and is suitable for 15-ton steam locomotives.

On the mountains, there are 3 sets of cables and also railroads suitable for 3-5 ton gasoline or charcoal locomotives. The communication system is as follows:

Railroad running from T'uch'ang to Chiuchih-tse Cables (4.53 km.); to Pailing Cables (3.92 km.); to Pailai Cables (3.20 km.); to Shangchi-p'ing (1.20 km.); to Sanhsing Branch Line (6.30 km.) and to Mouhsing Branch Line (12.00 km.).

c) STORAGE: There is at Lotung a dry storage ground of 19,000 sq. m. and a storage pool of 93,000 sq. m., with an aggregate storage capacity of 22,000 cu. m. Two cranes have

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been installed for the lifting of logs. As T'uch'ang is the intersecting point of the plain and mountain communication lines, a provisional storage ground with a capacity of 11,000 cub. m. will soon be established there.

d) SAW MILLS: The T'ai-p'ingshan Forestry Office directly operates 3 saw mills, all of them at Lotung, while the saw mill at the T'ai-p'ingshan is under the management of the T'ai-p'ingshan Branch Office.

B. - THE TAYUANSCHAN FORESTED REGION, also located at Lotung, includes the Tayuanshan, Shihliufenshan and some other high mountains.

It produces coniferous trees, such as *Chamaecyparis obtusa*, *Set Z. Chamaecyparis formosensis* Matsum, and *Tsuga chinensis*; and broad leaved trees such as *Michellia compressa* Max Var formosana Kan, *Machilus Nanmu* Hemsl. *Zelkova formosana* Hayata, etc.

The equipment of the Tayuanshan forests consists of the following:

a) COLLECTION OF LOGS: The work is now being entirely done by man-power.

b) TRANSPORTATION: Three sets of elevated automatic single-track wireropes are being in use. In addition, more than 4 km. of railroad has been completed, while the railing over a 8 km. road bed is under way. At present, only pushcars are employed for despatching logs on the railway. If the existing tracks are improved, however, gasoline locomotives can be used to pull the pushcars. Transportation between Lotung and Kulu is done by trucks.

### III. - Afforestation.

#### 1. For water conservancy.

Rainfall is abundant in Taiwan, reaching 6,000 mm. annually in the mountainous regions where it is not unusual for 600-1,000 mm. to fall in a single day. During the rainy season, communications are often disrupted and houses swept away by floods. The promotion of afforestation work for water conservancy is therefore an urgent need.

The following 2 tables show the original projects and actual achievements for 1947:

Afforestation Work for Water Conservancy  
During the year 1947 within the Forested  
Regions under Exploitation.

<u>Work</u>	<u>Original Project</u>	<u>Actual Achievement</u>
Plantations of new trees	478.15 hectares	410.05 hectares
Plantation of trees to replace those felled	137.11 "	137.00 "
Grass Cutting	1,107.73 "	576.83 "
Seedlings nursing	2,177,700	1,742,160

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Afforestation Work for Water Conservancy  
During the year 1947 outside of the  
Forested Regions under Exploitation.

<u>Work</u>	<u>Original Project</u>	<u>Actual Achievement</u>
Plantation of new trees	690.95 hectares	667.80 hectares
Grass cutting	269.95 "	237.00 "
Seedlings nursing	2,178,200	1,524,740

2. For "Pao An" or security.

As the soil in Taiwan is apt to dissolve in windy and rainy seasons, landslides often occur on stiff mountain slopes, while both on the mountains and plains, erosion has become a serious problem. In order to guard against the above disasters, the Forestry Bureau has retained large areas of land for cultivating the so-called "security forests". The following was the work achieved during 1947.

Work on Security Forests in 1947.

<u>Work</u>	<u>Original Project</u>	<u>Actual Achievement</u>
Plantation of new trees	564.50 hectares	417.00 hectares
Plantation of trees to replace those felled	268.00 "	12.60 "
Grass Cutting	534.50 "	82.60 "
Seedlings nursing	2,674,000 seedlings	1,169,600 seedlings

3. For Economic Purposes

By "economic forests" are meant those which are cultivated for economic purposes, such as the supply of timber, camphor, fuel etc.

Work on Economic Forests during  
the Year 1947.

<u>Work</u>	<u>Original Project</u>	<u>Actual Achievement</u>
Planting new trees	2,446.73 hectares	1,957.38 hectares
Planting trees to replace those felled	350.19 "	342.19 "
Grass cutting	8,661.40 "	6,929.00 "
Pruning spreading foliage	1,184.21 "	947.21 "
Trimming twigs	11.17 "	9.00 "
Nursing seedlings	395,128 Sq.m.	276,590 sq.m.
	5,577 litres.	3,904 litres
	180 mm.	126 mm.

4. For protection of Coasts.

Being situated in the Pacific, Taiwan is liable to the attacks of typhoons in summer and winter, which are often detrimental to the crops and buildings. The following represents the efforts made during 1947 to protect crops and houses against wind attacks:

## Coastal Afforestation Work in 1947.

<u>Work</u>	<u>Original Project</u>	<u>Actual Achievement</u>
Planting new trees	350 hectares	435 hectares
Planting trees to replace those felled	253 "	253 "
Nursing seedlings	15,529,800	12,423,000

With a view to promoting afforestation work, the Forestry Bureau of Taiwan has drawn up a 5-year plan whose gist is given below:

<u>Year</u>	<u>Afforestation</u>		<u>Sand-Control Work</u>		<u>Number of Seedlings</u>
	<u>Area (hectares)</u>	<u>Budget (TW\$)</u>	<u>Area (hectares)</u>	<u>Budget (TW\$)</u>	
1948	21,001	1,838,993,720	1,276	745,780,517	66,050,600
1949	25,683	2,608,923,992	1,277	606,889,630	95,691,120
1950	25,773	2,903,798,432	1,277	654,432,729	121,500,000
1951	25,830	3,067,200,008	1,280	642,327,479	101,300,720
1952	24,979	3,160,909,132	1,284	654,594,837	98,781,132
TOTAL	123,271	13,579,865,090	6,394	3,333,937,192	462,935,480

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Appendix on Forest Product Industries

Enterprises for processing forest products in Taiwan may be classified in the following groups:

a) TIMBER PROCESSING: Saw mills constitute the main part of these enterprises: the larger ones are operated by the Provincial Government, and the smaller ones by private concerns. There are also some factories which manufacture 3-ply-wood, wooden pipe (as substitute for ironpipe) and preserved timber.

b) PRODUCTION OF FOREST PRODUCTS OTHER THAN TIMBER:

- Camphor and other oil essence (e.g. turpentine, Chamocyparis oil)
- Vegetable oil and fats (e.g. wood oil, varnish, tea oil)
- Paper (exclusively paper made from wood and bamboo pulp)
- Tanning materials (manufactured from *Quercus variabilis* Pl., "Hua T'o Erh" and the bark of *Acacia confusa* Merrill)
- Medicines (made from *Cinchona*, Spp., *Erythroxylum Coca*, Lam., *Santalum al* Linn., *Gynocardia odorata* R.Br., etc.)

## - Others

Of the above industries, the camphor and paper manufacturing is the largest in scale.

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c) APPLIED CHEMICAL INDUSTRIES: The dry distillation of timber and manufacturing of synthetic resin are being undertaken on a very small scale.

The above-mentioned industries which were formerly for the most part operated either by the Japanese government or its nationals, were taken over by the Chinese government authorities, after V-J day. For instance, camphor is now under the control of the Reconstruction Department of the Taiwan Provincial Government; other chemical industries are being undertaken by the Chemical Co. under the Taiwan Provincial Industrial and Mining Company; the Taiwan Paper Co. has been placed under the joint management of the National Resources Commission and the Taiwan Provincial Government, and all other timber industries are operated by the Forestry Bureau. Some of the smaller enterprises, however, have been handed over to district or municipal authorities or private interests. The following tables provide some information concerning the present status of the enterprises.

Government-operated timber enterprises.

<u>Name of Enterprises</u>	<u>Output</u>
Taipei Saw Mill, under the Forestry Bureau (or FB)	4,000 cub.m. of timber annually
Taipei Saw Mill (Branch), FB.	(not yet operating)
Taipei'singhan Saw Mill, FB.	3,000 cub.m. of timber annually
Lotung Saw Mill No.1, FB.	4,000 "
Lotung Saw Mill No.2, FB.	10,000 "
Lotung Saw Mill No.3, FB.	10,000 "
Chutung Saw Mill, FB.	10,000 "
Chiapao'tai Saw Mill, FB.	2,500 "
Fengyuan Saw Mill, FB.	8,000 "
Wanghsiangshan Saw Mill No.1, FB.	10,000 "
Wanghsiangshan Saw Mill No.2, FB.	6,000 "
Alishan Saw Mill, FB.	3,000 "
Chiayi Saw Mill No.1, FB.	12,000 "
Chiayi Saw Mill No.2, FB.	10,000 "
Chiayi Saw Mill No.3, FB.	10,000 "
Camphor Refining Co. under Monopoly Bureau (or MB)	1,123 tons annually
Camphor Oil By-products Processing Co. MB.	---
Camphor Oil Processing Co., MB.	---
Bamboo-Timber Industrial Co., MB.	---
Taiwan Paper Co., Taipei Plant	48 tons of machine-made paper daily
Taichung Plant	50 tons of paper pulp daily
Tainan Plant	90 tons of paper pulp daily
Kaohsiung Plant	12 tons of packing paper daily
Shihling Plant	25 tons of cardboard and packing paper daily.
Japanese Paper Plant	14 tons of Japanese-paper daily
Chemical Co. under Taiwan Provincial Ind. & Mining Co.	---



## Privately-owned Saw Mills in Taiwan.

<u>Location</u>	<u>Number of Mills</u>
Taipei Municipality	62 (incl. 2 mills for making 3-ply-wood)
Taipei District	44
Hsinchu Municipality	13
Hsinchu District	33 (incl. one 3-ply-wood mill)
Taichung Municipality	22
Changhua Municipality	4
Taichung District	69
Keelung Municipality	12
Chiayi Municipality	18
Tainan Municipality	9
Tainan District	38
Kaohsiung Municipality	21
P'ingtung Municipality	10
Kaohsiung District	15
Iland Municipality	6
Taitung District	9
Hualien District	22 (incl. 1 mill for making ply-wood)
P'enghu District (Pengakores)	2
TOTAL	409

( End )

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U N I V E R S I T E I ' A U R O R E

- S h a n g h a i -

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The Currency Reform of August 19th.

Study No. XIX

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Articles and reports digested and  
combined in this Study:

- "An Analysis of the Currency Reform", by Yen Ling, the  
Economics Weekly, Aug. 27, 1948.
- "Commodity Prices since the Currency Reform", by Chi-  
Ch'ung-wei, Idem.
- "Key to the Success of the New Currency", by Wu Ta-yeh,  
the Economic Review, Aug. 28, 1948.
- "Currency Reform", Conference sponsored by the Ta Kung  
Pao, Ta Kung Pao, (Shanghai), Aug. 30, 1948.
- "Problems concerning the Recent Monetary Reform", by Wang  
Chih-hsin, Chu Sau-huang, Chu Pai-ying, Sun Hsiao-ts'un,  
Yang Chen-hua, etc., the Bankers' Weekly, Aug. 30, 1948.
- "New Currency and International Payments", by Ch'u Pao-i,  
the Economic Review, Sept. 4, 1948.
- "Appreciation of the New Currency", by Wu Ch'eng-hsi,  
Business World, Sept. 5, 1948.
- "On the Maximum Issue of Gold Yuan Notes", by K'ang Yung-  
jen, the Economic Review, Sept. 11, 1948.
- "Control of Loose Capital and Increase of Production",  
by K'e Ju-ch'ing, Sept. 16, 1948.

(continued in the note on page 14)

THE CURRENCY REFORM OF AUGUST 19TH

As the currency reform is of paramount importance  
for the well-being of the whole nation, all Chinese citizens and  
friends of this country are naturally taking an intense interest  
in this major step of the Government. The aim of this Study is  
to present in a clear summary the essential points of this reform  
together with the various comments and suggestions made on the  
subject by Chinese economists and businessmen during the past few  
weeks.

The Editor.

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Monetary inflation had reached such a critical condition in China at the beginning of August 1948 that the general index number of wholesale commodity prices in Shanghai marked an average weekly increase of 18%, culminating in the third week of the month at 8,007,000 times the price level of the first half of 1937<sup>1)</sup>; that is to say, the purchasing power of CN\$1.00 was equivalent to only 0.00000012 of that of one prewar Chinese dollar. It was evident that if this state of things were allowed to continue, the effects on the whole national economy would soon be catastrophic.

In view of the above, the Government authorities, after lengthy and careful deliberations among top-ranking officials, decided to reform the currency, by enforcing on the 20th of August, 1948 under the name of Financial and Economic Emergency Measures,<sup>2)</sup> a new economic programme, the essential points of which are:

- a) Superseding of the old Fapi by Gold Yuan notes whose issuance will be limited to GY\$2,000,000,000, backed up by a 100% reserve;
- b) Obligatory surrender, before the 30th of September 1948, of all gold, silver and foreign currencies still in private hands;
- c) Registration and control of assets held abroad by Chinese citizens;
- d) Readjustment of Government finance by increasing tax revenues and curtailing expenditure; and strengthening of control over commodity prices, salaries, foreign trade and banking business.

#### I. - Special Features of the New Currency.

##### 1. Gold Yuan Standard, maximum note issue and reserve.

Gold Yuan notes, in denominations of GY\$1.00, GY\$5.00, GY\$10.00, GY\$50.00 and GY\$100.00, have been issued to replace the old CN notes at the rate of 1 to 3,000,000.

The new currency is based on a Managed Gold Standard; though the Gold Yuan is decreed to have a legal content of 0.22217 grammes of fine gold, the Central Bank issues only paper notes which are not convertible into gold.

The means for gaining the confidence of the people to which the Government has had recourse, are as follows:

- a) The Gold Yuan notes will be issued against a 100 per cent reserve, consisting of at least 40 per cent in gold and silver bullion and foreign exchange, and the remainder in

EDITOR'S NOTES: 1) According to price indices compiled by the China Economic Research Institute, Shanghai.

- 2) These Measures have since been supplemented by many rules and regulations; among the most important of these are the supplementary Measures for the Readjustment of Finance promulgated by Presidential Decree on the 26th of August 1948 (see Annex LXI in this Bulletin).

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- assets of State-operated enterprises<sup>1)</sup>,  
 b) The note issue will not exceed a maximum of GY\$2,000,000,000;  
 c) A Commission for Supervising the Gold Yuan Note Issue and Reserve has been founded to examine at the end of each month the amount of Gold Yuan notes issued by the Central Bank and the condition of their reserve, and then publish an official inspection report. If the Commission finds the reserve for the note issue to be insufficient or the reserve in gold, silver and foreign exchange to be below the percentage stipulated (40%), it has the right to notify the Central Bank to suspend note issue and to withdraw the amount of notes in excess of the reserve.

It is noted in this respect that, so long as the Gold Yuan notes are not freely convertible into gold, the 100 per cent reserve for note issue can at most be a psychological consolation for the people. The fixing of a maximum note issue is, nevertheless, a significant check on inflation, while the supervision of the note issue and regular publication of inspection reports which oblige the Government to abide strictly by the restriction cannot but help to consolidate the people's trust in the Gold Yuan.

## 2. Note issue related to actual needs.

Is the maximum note issue of GY\$2,000,000,000 too much for the needs of the country?

Various writers have compared it with the currency of prewar days. The total amount of Fapi issued by the Government up to June 1937 was CN\$1,400,000,000, to which about CN\$300,000,000 may be added for local banknotes in use and another CN\$300,000,000 for silver dollars still in circulation, making a probable total monetary medium of CN\$2,000,000,000. Now, the amount of

EDITOR'S NOTE: 1) Details concerning the various items of the reserve as announced by the Executive Yuan on Aug. 23, 1948, are as follows:

### Reserve in Gold, Silver and Foreign Exchange

Item	Value in US\$
Gold Bullion	96,851,075.54
Silver Bullion	28,959,000.00
Foreign Exchange	74,189,924.46
TOTAL	<u>US\$200,000,000.00</u>

### Reserve in Assets of State-operated Enterprises

Item	Value in US\$
China Textile Industries, Inc.	101,538,505.43
Enemy and Puppet Properties	74,283,809.06
China Merchants' Steam Navigation Co., Ltd.	71,642,739.34
Taiwan Sugar Corporation	43,000,000.00
Taiwan Paper Corporation	8,000,000.00
Tientsin Paper Pulp Company	2,000,000.00
TOTAL	<u>US\$300,465,053.83</u>

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GY\$2,000,000,000 which is to replace the Fapi notes at the rate of 1 to 3,000,000 is nominally worth 6,000,000,000,000,000 present CN dollars; but since, on an average for the whole country, more than 6,000,000 present CN dollars are necessary to purchase the same quantity of goods which cost CN\$1.00 in June 1937, our GY\$2,000,000,000 is equivalent in actual purchasing value to less than CN\$1,000,000,000 of June 1937, that is to say even one half of the total monetary medium in circulation before the war.

Moreover, the external value of the Chinese dollars should also be taken into consideration. As each GY dollar equals US\$0.25, the total worth of GY\$2,000,000,000 is US\$500,000,000; but given the fact that the purchasing power of the American dollar has diminished by approximately one half as compared with 1937, the value of the above sum of GY dollars expressed in terms of prewar US currency has been cut down by one half i.e., only US\$250,000,000, which converted into Chinese dollars of 1937, at the rate of 1 to 3.30, will be equivalent to prewar CN\$825,000,000.

The reasons why the value of the present note issue cannot be raised to the same level as before the war, are given as follows:

- a) Owing to the unfavourable military situation in the Communist suppression campaign, the area under the control of the Government has diminished and so also has the area of circulation of the new currency.
- b) Silver dollars or foreign currencies will most probably continue to be used as medium in some private transactions, and goods will also be exchanged directly against other goods without intervention of any money.
- c) At present production in the country has decreased as compared with the prewar period.

It may further be mentioned that although the maximum issue of Gold Yuan is less than the currency in circulation before the war, its value is ten times that of the Fapi in circulation on the eve of the monetary reform. Each Gold Yuan dollar being worth CN\$3,000,000, GY\$2,000,000,000 are equivalent to CN\$6,000,000,000,000,000. The Fapi notes in circulation on the eve of the monetary reform were declared by the Minister of Finance Mr. Wang Yun-wu to be CN\$600,000,000,000. Therefore, unless the velocity of circulation of the Gold Yuan is only 1/10 of that of

EDITOR'S NOTE: 1) This figure is based on the index numbers of wholesale commodity prices for the 6 most representative cities for the 2nd week of August 1948, as announced by the Joint Head Office of the Four Government Banks:

Shanghai	6,340,000 times
Nanking	6,570,000 "
Hankow	5,630,000 "
Chungking	2,580,000 "
Canton	4,410,000 "
Tientsin	7,050,000 "

If the above indices are added together and then divided by 6, we have 5,430,000 times as the general price index for the whole country. But as prices had again risen after August 15th 1948, it is amply safe to assume the general price index to be above 6,000,000 times.

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Fapi notes, the issue of Gold Yuan to the maximum amount allowed by the law, will certainly bring about sharp rises in prices. The maximum amount of note issue as announced by the Government authorities, however, is not meant to be reached immediately and provided that the increase in note issue is proportional to the decrease in the speed of the circulation, no soaring of prices needs result.

### 3. Surrender of gold, silver and foreign currency notes held by the people.

From August 20th 1946, the circulation or private transacting or holding of gold and silver bullion, silver coins or foreign currency notes is prohibited within the territories of China. Anyone holding the above must, before September 30th 1946, convert them to Gold Yuan notes at the Central Bank of China or any of its appointed banks, according to the following rates: each Shih Liang (31.25 grammes) of gold to be exchanged for GY\$200.00; each Shih Liang of silver for GY\$3.00; each silver dollar for GY\$2.00; US\$1 for GY\$4.00; 1 Pound Sterling for GY\$12.00; Hongkong \$1.00 for GY\$0.75 and 1 Rupee for GY\$0.90. Holders may also purchase U.S. Gold Loan Bonds with the above articles, or deposit them in the Central Bank and later use them for the payment of imports covered by import licences or for other purposes approved by the Ministry of Finance.

Chinese economists point out that there exists a discrepancy between the legal content of gold in the Gold Yuan (0.22217 gramme of gold for GY\$1.00) and the rate for the conversion of gold into Gold Yuan notes (1 Shih Liang or 31.25 grammes for GY\$200.00), because according to the former gold content in the new currency note, 1 Shih Liang of gold should be worth only GY\$140.66.

The explanation for this inconsistency is simple: the fixing of the legal content of gold in the new currency note had to conform with the standards accepted by the authorities of the International Monetary Fund. Therefore, if the Gold Yuan dollar is to be equal to a quarter U.S. dollar, its legal content of gold must also be 1/4 of that of US\$1.00 (0.88867 gr.), i.e. 0.22217 gr. But on the other hand, in order to induce the people to surrender their holdings of gold bullion, the Government had to follow its black market price which had risen to around CN\$600,000-000 or GY\$200 per Shih Liang, on the eve of the reform. It is clear that, had the Government fixed the official price of gold at GY\$140.66 per Shih Liang or 30% lower than the prevailing price, no private concern would have surrendered any gold bullion.

The above inconsistency may produce rather bad effects on the new currency both in this country and abroad. If 1 Shih Liang (or 31.25 gr.) of gold is valued at GY\$200.00 by the Government, then GY\$1.00 would be worth only 0.15625 gr. less than the legal content. Such a depreciation by nearly 30% of the Gold Yuan brought about by the Government itself cannot but puzzle the common people as to the true value of the new currency note. Furthermore, US\$1.00, being convertible into GY\$4.00, will be worth four times the latter's value in gold (0.15625 gr.), i.e. only 0.625 gr. This officially accepted depreciation of the U.S. dollar by nearly 30% in China might be viewed with discontent by the Treasury Department of the U.S. Government.

The intention of the Government in making the people surrender their gold, silver and foreign currency notes is of course to obtain large amounts of these articles to strengthen its

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financial power and prop up its new currency. But it is considered as doubtful that the people will hand over all their holdings of gold, silver and foreign exchange. Even supposing that the Chinese citizens were patriotic enough to do so, the Chinese Government would not have sufficient Gold Yuan notes to pay them. For it is estimated that a total of GY\$3,795,000,000 would be necessary to compensate the handing over of all the gold, silver and foreign currency notes in private hands <sup>1)</sup>, this amount is 80% more than the maximum note issue. The people might of course purchase some U.S. Gold Loan Bonds or in a few cases deposit with the Central Bank for various uses; yet, theoretically at least, it would seem that a major portion of the holdings would be surrendered in exchange for Gold Yuan notes. Meanwhile any important intakes of gold, silver and foreign exchange at the Central Bank would mean great outflows of Gold Yuan notes <sup>2)</sup> which, if not successfully directed into proper channels, would rush for goods on the market, thereby producing severe inflationary effects.

## II. - Means for Stabilising Prices in the Preliminary Stage.

If reserve for note issue plays only a psychological role in favour of the new currency, which, in any case remains unconvertible, all the writers agree that the stabilisation of commodity prices is a powerfully convincing FACT for winning the full confidence of the people. The means used by the Government for keeping down prices in the preliminary stage can be summarised as follows:

NOTES: 1) According to the estimate of an economist Mr. Wu Ch'eng-hai in his article "Appreciation of the New Currency" published in the Business World, September 5th 1948, the private holdings of gold, silver and foreign currency notes in China are as follows:

Item	Quantity	Value in GY.
Gold bullion	5,000,000 Shih Liang	1,000,000,000
Silver bullion <sup>o)</sup>	340,487,510 ounces	2,255,000,000
Silver dollars <sup>o)</sup>	551,373,586 pieces	
U.S. currency notes	\$60,000,000	240,000,000
Hongkong currency notes	\$400,000,000	300,000,000
TOTAL		<u>GY\$3,795,000,000</u>

2) Compare with figures given in "An Estimation of the Quantities of Silver still in Private Ownership in China" by Yang Erh-ch'eng, Monthly Bulletin No. XIII (Dec. 1947) Document 74.

3) According to information in the Chung Yang Jih Pao (Shanghai) of September 22nd, 1948; up to the 18th of September, a total of GY\$556,520,000 odd had been issued by the Central Bank for paying the gold, silver and foreign currency notes surrendered by the people.

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- a) Freezing of all commodity prices and salaries at the levels of August 15th and of August 15th 1948 respectively; the salaries of Government officials and employees of State-operated enterprises are to be readjusted once for all while employees of private firms and factories will be entitled to a salary corresponding to what they received for the first half of the month of August 1948.
- b) Suppression of hoarding, by examining godowns and prohibiting the undertaking of purchase and sale of supplies by financial organs;
- c) Dumping of surplus supplies at prices lower than those prevailing on the market;
- d) Regulating of supplies and banning of the export of certain daily necessities;
- e) Limiting the extension of credit by ordering the increase of the capital of banks within two months, suppressing the handling of deposits and credits by non-financial institutions, and suspending the granting of commercial loans by Government banks. When banks increase their capital, not less than 50% of the latter must be in the form of cash;
- f) Avoidance of factors which provoke price fluctuations: for example forbidding transactions of gold, silver and foreign currencies, stopping the operation of stock markets, lowering the interest rate, and prohibiting the publishing of any black market prices.

While one cannot deny that, if strictly enforced with the help of a strong economic police, the above mentioned price freezing policy may be a useful curb on market fluctuations, it is nevertheless pointed out that a blind oppression will entail serious consequences. As everyone is well aware, the sudden rise in the foreign exchange rate by 50% as compared with that on the eve of the currency reform greatly augments the production cost of those goods which are manufactured with imported raw materials or whose manufacture requires the consumption of imported fuels. In like manner, the cost of many fabrics will go up as a result of the rise in prices of raw materials purchased from other regions not subject to strict control. Another factor of universal effect is the raising of tax rates which will certainly add much to the cost of production in all fields. Under such circumstances, if manufacturers are not allowed to make the necessary readjustment in their selling prices, they will soon be obliged to cease operation; on the other hand, merchants will abstain from selling, foreseeing that no more goods will be supplied by the producers. And then dangerous paralysation of economic activities will again be experienced.

The freezing of salaries in private enterprises at the level of Aug. 1st-15th, 1948, while prices are pegged on that of Aug. 15th, is certainly irrational: for instance, the average price for a picul of rice for the first half of August was still around CN\$ 42,000,000; but on the 15th of the month, it had already jumped to CN\$ 63,000,000.

Nor are Government employees by any means better off. It has been laid down that their salaries shall be paid in Gold Yuan notes according to the following provisions: the basic amount will be \$40 to be paid in full in Gold Yuan notes; a discount of 30% will be applied to any sum in excess of \$40 up to \$300, and a discount of 90% applied to any sum in excess of \$300. That is to say a Government employee with a salary of \$40, will receive the sum in full Gold Yuan dollars; if his salary is \$200, he will

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actually receive GY\$72 1), if he has a salary of \$400, he will be paid GY\$102 2) and a Government official who according to his rank, should be entitled to \$600, will touch only GY\$122 3). As the purchasing power of the Gold Yuan is less than one half of that of the prewar Chinese dollar, the average Government employee will be paid as little as 20 or 30% of what he used to receive before the War. Can the Government expect loyalty and efficiency from such badly paid employees?

It is further to be added that with their income frozen, the salaried classes from now on will have to bear a much increased burden of taxes placed on them by the Government after the currency reform.

In connection with the increase of the capital of banking institutions, the Executive Yuan has recently passed a set of supplementary methods wherein it sets the minimum amount of capital required for banks and trust companies in Shanghai, Tientsin and Canton at GY\$500,000 and that for native banks in those same cities, at GY\$250,000; the amounts prescribed are comparatively lower for other cities. Since 50% of the readjusted capital must be in the form of cash, the successful carrying out of this order, will undoubtedly exert an opportune tightening effect over the monetary market, and help to keep down commodity prices. But it is to be feared that many banking institutions, not being able to fulfill these exigent requirements, will have to close down.

Considering that interest on loan forms part of the production cost, the Government has made a point of keeping down its rate. Thus, it has announced a compulsory reduction of the interest rate from the former 30% or 35% per annum to 2% within a short time limit. This quick reduction is estimated as probably unnecessary, for it should be clear that it is the soaring in prices which causes a corresponding rise in interest rate and not vice versa.

Furthermore, during the preliminary stage of the currency reform, it may be advantageous to maintain for some time a relatively high interest rate in order to induce people to deposit their money in banks, instead of searching for goods on the market.

The prohibition of the publishing of black market prices is also considered a futile measure. For the point is whether such clandestine transactions exist or not. If they do exist, people will know every detail about them even though no newspaper implies anything. The Government should therefore stress the suppression of the black market itself rather than the publishing of its prices.

EDITOR'S NOTES: 1)  $\$40 + \$160 \times 20\% = \$72$ .

2)  $\$40 + \$260 \times 20\% + \$100 \times 10\% = \$102$ .

3)  $\$40 + \$260 \times 20\% + \$300 \times 10\% = \$122$ .

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### III. - Government Finance and Long-term Stability.

The afore-mentioned means, instrumental though many of them are in bringing about stability of market prices during the initial period, are totally incapable of perpetuating it. For long-term stability, the balancing of the Government Budget is one of the main points on which all the writers agree.

The Emergency Measures give only the following brief outline of the methods for readjusting Government finances:

- a) Increasing tax revenue by revising tax rates according to their prewar level and by imposing heavier taxes on luxuries;
- b) Readjusting charges made by State-operated communications and public utilities so as to make them self-supporting; the National Treasury shall provide subsidies only to areas suffering from military destruction; curtailing expenses by dismissing superfluous personnel in State-operated enterprises and ordering the latter to remit their surplus profits, if any, to the National Treasury;
- c) Strictly checking the personnel in all civil and military organizations as well as the number of soldiers.

In order to materialize its plan to increase tax revenue, the Government on Aug. 26, 1948, promulgated the Supplementary Measures for the Readjustment of Finance 1), in which it raises the tax rate on salt to GY\$8.00 per Shih Tan (50 Kgs), imposes an additional tax on imports equal to 40% of the import duty, changes slightly the method of collecting the income tax on profit-seeking enterprises, and effects minor adjustments concerning the rates of the inheritance tax and revenue stamp duty.

With the above revision of tax rates, the Finance Minister counts on an annual revenue of about GY\$32,460,000,000 which will be composed of:

Customs duties .....	GY\$480,000,000
Taxes on commodities (incl. mineral products and native tobacco and wines) .....	700,000,000
Direct taxes .....	360,000,000
Salt taxes .....	320,000,000
Other taxes, fees and income from State-operated enterprises .....	200,000,000
Receipts from sale of surplus supplies and enemy and puppet properties ...	400,000,000

Supposing the annual output of salt in the future can maintain the level reached in 1947 which was 43,000,000 odd Shih Tan 2), the above estimated annual revenue from salt taxes is quite in conformity with actuality. But not so the other estimates: It is doubtful whether with an ever diminishing import quota, the annual income from import duty can amount to GY\$480,000,000. As the tax rates on commodities have not been much changed in the

NOTES: 1) For a full translation of these Measures, see Annex LXI in this Bulletin.

2) This compares favourably with the output in 1937 which was 42,000,000 odd Shih Tan.

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recent revision of the Commodity Tax Regulations <sup>1)</sup>, it remains to be seen how the receipts from this source can be raised to the above-mentioned level. The estimated income from direct taxes also seems a bit exaggerated, unless the method of collection and collecting efficiency are vigorously improved in the future. Finally the sale of surplus supplies and alien and puppet properties is but a temporary resource, and cannot be counted as a permanent item on the revenue list.

In view of the urgent necessity of curtailing Government expenditure, experts advise that all State-operated enterprises be rendered self-supporting, by raising prices charged and by removing all superfluous personnel. In the past, it has been nearly a general custom that when State-operated enterprises make gains, they keep them for their own uses; but when they sustain losses, immediate appeal will be made to the Government for subvention. The result has been that people in charge of the undertakings have become inefficient and extravagant.

The case of public utilities deserves a special attention; these undertakings being of a local nature, their expenses should be borne by their direct beneficiaries, that is, met by receipts from their sale of goods or services. If, nevertheless, the local government considers it advisable to lower the charges for public utilities connected with the people's livelihood, it should raise subsidies from its local revenue and never shift the burden over the whole nation by turning to the National Treasury for help. It was particularly absurd for the Government to subsidize in recent years the public utilities of some municipalities; for that is tantamount to making the poor village folks all over the country pay for the comfort of a few rich municipalities where the greatest portion of the national wealth has been concentrated.

However true are the above views some delay seems necessary for readjusting the charges for State-operated enterprises. For at a time when the Government intends to bring about market stability by pegging all commodity prices to the level of August 19th 1948, it would be giving a bad example to start right now to raise prices in its own enterprises. Nor would such a move be welcomed by the salaried classes whose income has been frozen.

It is regrettable that the Emergency Measures did not touch upon the attitude of the Government towards local finance, which certainly needs to be revised. One single instance may suffice to demonstrate the irrationality of its subsidising policy in the past: the municipal government of Shanghai which is undisputedly the wealthiest metropolis in the whole of China, has still in recent years depended on subsidies from the National Treasury, to make ends meet.

With respect to the immense and expensive bureaucracy, a more checking of its actual numbers as laid down in the Emergency Measures, is insufficient; the Government should go further and effect a general reduction of personnel. It is believed that a removal of 40% to 50% of the public servants would not lessen the efficiency of the administrative organs. On the contrary, a systematic reshuffle of personnel and works might even improve the efficiency of the Government machinery, while an increase of salary

NOTE: 1) This recent revision was made on April 2nd 1948 (cf. Monthly Bulletin No.XIX - June-July 1948 - Annex LVIII).

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would certainly win more loyalty from the public servants.

With all the above measures for curtailing Government outlay, the Finance Minister estimates the total annual expenditure at around GY\$3,600,000,000 of which only 70% will be covered by the expected annual revenue, leaving a budgetary deficit of GY\$1,140,000,000<sup>1</sup>). The Ministry of Finance implies that this deficient amount will be made up by US relief and the issuance of Gold Yuan bonds.

According to general observation, the people cannot be expected to purchase Government bonds of their own volition at the present moment. If the bonds are to be issued immediately, large scale compulsory apportionment among the rich class is advocated. Such a conversion into Government bonds, of the greater part of the wealth of the millionaires and billionaires of the country, would make them realise that they will be the first to suffer losses from any possible depreciation of the Gold Yuan; and they will take an intense interest in collaborating with the Government authorities for maintaining the value of the currency.

If even the receipts from compulsory sales of Gold Yuan bonds to the rich cannot balance the budget and prices tend to soar, then a critical phase is near at hand. At such a juncture, in order to avoid the usual rush on goods, some propose that the Government should provide the people with a trustworthy instrument for maintaining the purchasing power of their savings; and that is where comes again the long debated "price index savings" scheme according to which any savings lodged with Government banks will be repaid according to the price index of the date of withdrawal i.e. the Government will compensate the depositor for any loss resulting from soaring of prices.

#### IV. - Currency Reform and International Payments.

According to an estimate of the Far Eastern Economic Committee of the U.N.O., China's international payments showed a deficit of US\$326,000,000 during the year 1947, which was larger than the total amount of her income. The causes of such an unfavourable balance were none other than trade deficit, diminution of

NOTE: 1) It may be mentioned here that the Chinese Government has never been able to balance its budget during the past dozen years. The following table shows the ratio between revenue and expenditure during each of these years :-

Year	Ratio between revenue and expenditure
1936	79%
1937	48%
1938	52%
1939	27%
1940	29%
1941	9%
1942	16%
1943	24%
1944	36%
1945	12%
1946	19%
1947	26%

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overseas Chinese remittances through Government banks and the flight of capital to foreign countries. Comments are few in this respect and can be summarized briefly.

#### 1. Imports.

According to the Emergency Measures, the import quota shall, beginning with the 7th quarter, further be cut down by at least  $\frac{1}{4}$  on the basis of the average set for the 5th and 6th quarters<sup>1)</sup>. This quota reduction coupled with the raising of the foreign exchange rate by 50%, the recent increase by 50% to 100% of the import tariff<sup>2)</sup>, and the levy of an additional tax equal to 40% of the import duty<sup>3)</sup>, will obviously cut down the Government's expenditure of foreign exchange.

Parallel to the above are a) Reduction of the sales of goods whose import has been banned by explicit order of the Government; and b) Reduction of the number of licenses approved for all kinds of motor cars in Shanghai and other municipalities, by  $\frac{1}{4}$  to  $\frac{1}{3}$  within two months, so as to lower the consumption of imported gasoline. The former measure aims at the suppression of smuggling and the latter at saving foreign exchange.

But, in order to turn the trade balance into a more favourable one, the question at present is not so much how to diminish imports as how to foster the export trade, since China still needs large quantities of industrial raw materials and tools of production for her postwar reconstruction.

#### 2. Exports.

The new raising of the official foreign exchange rate by 50% might undoubtedly be a great impetus for exporters. Many goods which could not be exported in the past as a result of the unreasonably low exchange rate, will now be shipped abroad.

Yet whether any sharp increase in the export figures will follow still hinges on three factors: the production of articles for export, their domestic prices and the demand on foreign markets.

First, the principal exports of this country are agricultural and mineral products the production of both of which has been steadily diminishing as a result of military devastation. Secondly, the domestic prices of articles for export may soon jump in the same proportion as the rise in the exchange rate, reversing the propitious situation created by the latter. The repression of such a tendency will depend upon the strict enforcement of the

NOTES: 1) The import quotas for the 7th and 8th quarters actually approved by the Executive Yuan on Sept. 15th 1948, totalled US\$42,141,000, showing a reduction of nearly 43% as compared with the aggregate appropriation for the previous 2 quarters.

2) The revised Customs Import Tariff was promulgated by the President of the Chinese Republic on Aug. 1st 1948 and enforced on Aug. 7th 1948.

3) See Supplementary Measures for the Readjustment of Finance promulgated by Presidential Decree on Aug. 25th 1948, VII. Concerning the revision of tax rates. (Annex LXI in this Bulletin).

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price-freezing order. Thirdly, after the long depression of China's export trade, many foreign markets have already found other sources of supply abroad or are using locally manufactured substitutes; and besides that, Chinese producers have long lost the habit of adapting their products to the taste or requirements of foreign consumers. It will therefore be a difficult task to win these back to Chinese goods.

Judging from past experience <sup>1)</sup>, nevertheless, one can safely count on some improvement in the export trade, though there seems little hope of completely doing away with the trade deficit in the near future.

### 3. Remittances from Overseas-Chinese.

Before the War, remittances from overseas Chinese used to constitute about 1/3 of China's international income, totalling from US\$80,000,000 to US\$100,000,000 every year. But in recent years, owing to the too low official exchange rate, the majority of remittances have been made through clandestine channels. Thus the remittances amounted only to US\$31,498,000 in 1946, and further dropped to US\$20,000,000 in 1947, becoming a relatively negligible item on China's international accounts <sup>2)</sup>.

Now that the official foreign exchange rate has been made equal to that on the black market, there should no longer be any reason for the remittances to avoid the Government banks.

### 4. Flight of capital.

This has been a most serious problem since the conclusion of the War. This year, especially, large amounts of capital have moved to Hongkong and the USA. It is expected that the situation will improve after the stabilisation of the currency and upon the gradual recovery to a normal economic condition at home.

NOTES: 1) Take the export figures of this year for instance: As a result of the pegging of the official foreign exchange rate, the value of total monthly exports fell from US\$16,000,000 in January to US\$12,000,000 in February and still further in the following months; but after the introduction in June of a new "foreign exchange account settlement system" which actually raised the exchange rate, the export value increased to nearly US\$20,000,000 in June and again in July.

2) For details concerning overseas Chinese remittances in the last two decades, see "Problems of China's Post-war International Payments", by Chow Chung-yin (Monthly Bulletin No. I - Oct. 1946 - Document 1, p.2); "Remittances from Overseas Chinese in the First Half of 1946", by Chi Ch'ung-wei (Monthly Bulletin No. I - Oct. 1946 - Document 2); "An Analysis of China's Balance of Payment during the Past Ten Years", by Chang Hsiao-mei and Chang I-fan (Monthly Bulletin No. XI - Oct. 1947 - Document 63, p.11-13); and "China's Balance of Payment for the Year 1947", by Wei Yuan-li (Monthly Bulletin No. XII - Nov. 1947 - Document 67, p.3).

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Regarding foreign exchange assets held by Chinese nationals abroad, most of which represent capital flight, the Emergency Measures require their registration with the Chinese Government, which will have the right to utilize them. An exception is made however for nationals whose normal livelihood is proved to be established abroad and who are considered as "overseas Chinese". This proviso will be a loophole for many rich Chinese in foreign countries who will disguise their wealth as possession of "overseas Chinese". Furthermore, as the Chinese Government has never enjoyed any extraterritorial right, it can do nothing towards actually controlling its nationals' assets on foreign soil. Unless the approval and support of the foreign Government concerned has been secured, there will therefore be no way of enforcing the above-mentioned measures.

+ + +

As a conclusion to the above analysis, it should be noted that most of the writers emphasize that the whole destiny of the new monetary reform will rest on the balancing of the Government budget and the promotion of stable business activity on a profitable basis. If these conditions are fulfilled, stability in the value of the currency can be expected; if not, recourse will have to be made again to note printing; prices will soar and the currency rapidly depreciate; these are natural economic trends which not even the most stringent enforcement of police measures can defy.

( End )

NOTE: "Articles and reports..."continued.

- "How to Carry Out the Financial and Economic Emergency Measures", by Yang Chen-hua, Chin Yung Jih Pao (Shanghai), Aug. 23, 1948.
- "Criticism of the Present Monetary Reform", by Yen Jen-keng, The Economics Weekly, Aug. 27, 1948.
- "On the Managed Gold Standard", by Yu Wen, Idem.
- "Currency Reform and the Salaried Classes", by Fang Shih-tung, Idem.
- "Salaried Classes after the Currency Reform", by P'u, The Economic Review, Aug. 28, 1948.
- "Balancing of Budget under the New Currency", by Ts, Idem.
- "On Gold Yuan", by Kao Ching-yang, Chung Yang Jih Pao (Shanghai), Aug. 28, 1948.
- "Glance at the New Currency", by Wang Yu, Tung Nan Jih Pao (Shanghai), Aug. 31, 1948.
- "The Right Attitude towards the Financial and Economic Emergency Measures", by Ksiung Kuo-ch'ing, Chin Yung, Sept. 2, 1948.
- "Increase of Capital of Banks", by Chieh, The Economics Weekly, Sept. 2, 1948.
- "How to Stabilise the Value of the Currency", by Chu Sheng-tao, The Economics Weekly, Sept. 2, 1948.
- "Financial Measures in Connection with the New Currency", by Feng Hua-te, The Economic Review, Sept. 4, 1948.
- "New Money and Price Control", by Fang Ping-chu, Idem.
- "Financial Market in Shanghai after the Monetary Reform", by Yung Lung-kwei, Idem.

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- "Criticism of the Financial and Economic Emergency Measures", by Chao Nai-chuan, Idem.
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- "On the Currency Reform", by Lou Li-tsai, Business World, Sept. 5, 1948.
- "Monetary Reform", Conference sponsored by the Economic Research Institute of Fu Tan University, Shang Pao (Shanghai), Sept. 6, 1948.
- "Loopholes in the Currency Reform", by He Shih-ch'i, Chin Yung Jih Pao (Shanghai), Sept. 9, 1948.
- "Issue of the Gold Yuan Notes", by Yu Ju-lung, Chung Yang Jih Pao (Shanghai), Sept. 9 & 10, 1948.
- "General Review of the Economic Situation during the Past Week", by Yen Ling, The Economics Weekly, Sept. 9, 1948.
- "New Industrial Crisis", by Su Chi-mei, Idem.
- "The Interest Rate Policy after the Introduction of the Gold Yuan", by Chu, The Economic Review, Sept. 11, 1948.
- "Main Points for the Preliminary Stabilization of the New Money", by Teng Mou-t'ung, The Economic Review, Sept. 11, 1948.
- "Outlook for the New Currency", by Yang Yin-fu, Bankers' Weekly, Sept. 13, 1948.



Table XI. Ports of Export for Chinese Silk 1).

Port of Export	Raw Silk	Manufactured Silk	Waste Silk	Total
Shanghai	445,390 kg.	456,799 kg.	163,778 kg.	1,065,967 kg.
Canton, Kowloon, Swatow & Lappa )	9,926	51,012	384,789	445,727
Kunming & Mengtzu	53,683	---	---	53,683
Sinkiang	14,558	871	---	15,429
Others	---	4,008	---	4,008

## c. Destinations of the Exports.

Among buyers of Chinese silk in 1947, European countries continued to hold the first place, as in 1946 2). Asian countries such as India, Burma and Indo-China ranked second, and Hongkong and Macao were the third largest customers. Then came N. & S. America and Africa, lagging far behind. Exports to Australia and the Philippine Islands were negligible.

Table XII. Destinations of Chinese Silk Exports in 1947 3).

		% in the Total
European countries	900,736 kg.	41.13
Asia	593,977	27.12
Hongkong and Macao	493,649	22.54
N. & S. America	167,610	7.65
Africa	23,430	1.07
Australia and Philippine Islands	4,319	0.19
TOTAL	2,189,806	100.00

Considered individually, India was the greatest importer of both Chinese raw and manufactured silks, purchasing 163,851 kg. and 349,560 kg. respectively, while USA (145,398 kg.), USSR (59,875 kg.) and Burma (53,683 kg.) ranked next for raw silk and Hongkong for manufactured silk (90,667 kg.). Waste silk was almost exclusively destined for Europe, Belgium buying 276,429 kg., France 172,569, Great Britain 134,808, Switzerland 102,268 and Italy 66,345. Though the export of waste silk to Hongkong reached the high mark of 390,878 kg., most of the cargoes arriving there were further shipped to either European or American countries.

It is worthy of notice that the importance of the U.S.A. as a large consumer of Chinese silk was rapidly diminishing. In 1946, she was still the leading importing country for Chinese raw silk (353,363 kg.) and silk product as a whole (427,275 kg.). But in 1947 her import of Chinese raw silk dropped to 145,398 kg. and her total silk import to 165,226. This striking fall was caused by the following factors: before the War, the U.S.A. used to consume annually more than 30,000,000 kg. of raw silk. But owing to lack of raw silk, artificial silk gained ground during the War, and the current requirement of raw silk in that country has dropped

NOTES: 1) Compiled from the Customs' Trade Returns.

2) For a detailed tabulation of the destinations of the exports of Chinese raw, manufactured and waste silk in 1946 and 1947, see Appendices V and VI on p.13 and p.14 respectively.

3) Compiled from the Customs' Trade Returns.

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to only 1/5 of the pre-war level. Furthermore, the American Commercial Company, in coordination with the policy of the U.S. Government, has dumped large quantities of Japanese silk on the U.S. market.

As against the disturbing slump in American demand it is gratifying to stress that exports to India, Burma and Indo-China have made great strides, and China should make efforts to further this development.

d. The Central Trust and China Silk Corporation's share in the Silk Trade.

As the Central Trust and China Silk Corporation were the two biggest silk traders in China, it is interesting to have a look at their activities during the year 1947, in so far as the scarcity of information on the matter allows.

According to report by the Central Trust itself, its purchases and sales of raw silk that year were as follows :

Table XIII. Purchases by the Central Trust during 1947.

Grade A	135 Tan
" B	1,214
" C	1,755
" D	3,065
" E	1,175
" F	25
" G	2
<b>TOTAL</b>	<b><u>8,321 Tan</u></b>

Table XIV. Sales by the Central Trust during 1947

<b>EXPORT</b>		<b><u>4,123 Tan</u></b>
to U.S.A. (incl. consignments)	1,350 Tan	
India	1,350	
U.S.S.R. (barter)	600	
Burma	370	
Great Britain	340	
France	73	
Indo-China	40	
<b>SALES AT HOME:</b>		<b><u>1,000 Tan</u></b>
Allocations to various factories	1,000 Tan	
<b>GRAND TOTAL</b>		<b><u>5,123 Tan</u></b>

The Chekiang Economic Review of April 30th, 1948, reports that the China Silk Corporation sold altogether 2,708 bales of raw silk in 1947, receiving C\$315,365,577.981 and US\$941,018.07. The details of the transaction may be seen below :

NOTE: 1) 1 bale of silk or lustring weighs 60 kgu.

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Table XVII. Sales of Raw Silk by the China Silk Corporation in 1947.

Shipments to Great Britain	82 bales
" " France	70
" " Siam	60
" " India	20
Export through the Barter Department of the Central Trust	400
Export through Foreign Firms	225
Sales of Previous Consignments of 1946	
in U.S.A.	900
in France	100
Sales to Factories and Consumers at home	841
<b>TOTAL</b>	<b>2,708 bales</b>

Apart from the above, the Corporation allotted 445 bales of raw silk to its Experimental Factories Nos. 1 & 2.

With regard to lustring: the Corporation is said to have actually sold 212 cases 1) and 2246 bales, receiving in return CN\$36,448,368,500; 53 cases and 8 bales were sold in Great Britain and India and 59 cases and 2238 bales were supplied to factories in this country. Six cases were also allotted to the Experimental Factory No. 1 of the Corporation itself. It may also be mentioned that 3 separate lots of lustring totalling 225 cases were sent to India for sale on the basis of consignment. However, they were not entirely sold out at the end of 1947 and accounts of the transactions thereon have not yet been published.

The three Experimental Factories of the China Silk Corporation sold up to the end of December altogether 12,046 pieces of silk piece goods of a total length of 605,031 yards, 16 pieces or 817 yards of these being shipped to U.S.A. These sales brought in CN\$27,526,071,092 to the Company.

The Silk Corporation at the beginning of 1947, purchased large quantities of silk piece goods left by the Japanese and the puppet regime in Tain 36. After dressing, these goods were put on the market in March and at the end of the year sales totalled 45,936 pieces (or 1,428,662 yards plus 7,618 pieces - the latter's number of yards is not being given) and brought in CN\$49,996,309,623. Of the above quantity, 5,544 pieces were exported to India, 27,992 pieces sold on the domestic market, and 54 pieces allocated to employees of the Corporation or distributed to buyers as samples.

In addition to the above, 4 lots of silk piece goods were shipped to India as consignments, but not having been sold out they are left out of account here.

Finally, the Silk Corporation sold 4,253.42 Kuan Tan of waste silk for CN\$2,003,892,956 and 598.66 Kuan Tan of waste cocoons for CN\$790,945,135.

NOTE: 1) 1 case of lustring weighs 50 kgs.

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Appendix I. Classified Exports of Chinese  
Raw Silk in the year 1947<sup>1)</sup>.

<u>Classified items</u>	<u>Quantity</u> (Kg.)	<u>Value</u> (Unit: CN\$1,000)
Raw silk, reeled from doupions	1,980	155,717
Raw silk, white, not re-reeled nor steam-filatured	55,765	4,947,253
Raw silk, white, re-reeled	33,053	5,174,610
Raw silk, white, steam-filatured	390,937	162,158,051
Raw silk, wild, filatured	2,497	277,826
Raw silk, wild, not filatured	489	15,068
Raw silk, yellow, not re-reeled nor steam-filatured	20,524	1,195,645
Raw silk, yellow, re-reeled	11,093	1,273,730
Raw silk, yellow, steam-filatured	5,719	586,555
Silk cocoon strippings	---	---
Silk yarn waste	---	---
Silk cocoon refuse (including pierced cocoons) and wild silk	1,500	5,157
<b>TOTAL</b>	<b>523,557</b>	<b>175,789,582</b>

Appendix II. Classified Exports of Chinese  
Manufactured Silk in the year 1947<sup>1)</sup>

<u>Classified items</u>	<u>Quantity</u> (Kg.)	<u>Value</u> (Unit: CN\$1,000)
Silk embroideries	18,073	5,742,580
Silk piece goods, natural	90,991	36,299,675
Silk piece goods, natural & artificial (Mixture)	325,507	99,370,789
Silk piece goods, Mixtures of Natural & or Artificial Silk with other fibres	6,569	574,300
Silk pongees, Honan	35,708	10,801,570
Silk pongees, Shantung	6,699	983,523
Silk pongees, n.o.r.	17,761	3,515,121
Silk products, n.o.r.	10,804	758,355
Silk and Cotton Mixtures	578	91,787
<b>TOTAL</b>	<b>512,690</b>	<b>158,147,701</b>

NOTE 1) Compiled from the Customs' Trade Returns.

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Appendix III. Comparison Between the Corresponding  
Monthly Exports of Chinese Raw and  
Manufactured Silk in 1946 & 1947 <sup>1)</sup>  
(Unit : Kilogrammes)

a. Raw Silk

Month	1946	1947
January	58,068	33,099
February	42,853	158,256
March	15,718	44,414
April	38,105	33,173
May	78,715	76,616
June	21,487	7,369
July	184,261	5,245
August	223,208	2,065
September	120,707	1,556
October	10,488	
November	70,522	
December	33,087	

b. Manufactured Silk

Month	1946	1947
January	797	19,138
February	3,732	39,447
March	1,501	16,492
April	2,311	17,253
May	4,747	28,114
June	4,459	86,036
July	7,504	36,749
August	35,291	112,601
September	52,969	5,827
October	10,216	
November	29,125	
December	18,380	

c. Waste Silk

Month	1946	1947
January	12,805	50,360
February	100	88,176
March	1,483	43,447
April	15,538	84,035
May	1,240	105,088
June	75,107	90,390
July	85,354	55,865
August	81,983	223,959
September	242,179	90,535
October	90,115	
November	72,185	
December	77,549	

NOTE:

- 1) From "Silk Trade during the Past Year", by Ke Ching-chung,  
China Silk Corporation Review, Jan. 1st. 1948.

## d. Total

Month	1946	1947
January	71,770	102,592
February	46,686	285,879
March	18,762	94,353
April	45,954	134,461
May	84,702	210,217
June	101,053	183,795
July	277,119	97,859
August	340,482	338,625
September	115,855	97,918
October	110,819	
November	171,832	
December	129,020	

Appendix IV. Exports of Raw, Manufactured and Waste  
Silk via the Shanghai Customs in the  
year 1947 1)

Raw Silk

Raw silk, reeled from doupions	1,219 kg.
Raw silk, white, not re-reeled nor steam-filatured	38,058
Raw silk, white, steam-filatured	27,330
Raw silk, wild, filatured	372,864
Raw silk, yellow, not re-reeled nor steam-filatured	2,497
Raw silk, yellow, re-reeled	429
Raw silk, yellow, steam-filatured	209
Silk cocoon strippings	302
Silk yarn waste	2,482
Silk cocoon refuse (including pierced cocoons) and wild silk	1,100
TOTAL	446,490 kg.

Manufactured Silk

Silk embroideries	10,948 kg.
Silk piece goods, natural	54,759
Silk piece goods, natural & artificial (mixture)	324,841
Silk piece goods, Mixture of Natural & or Artificial Silk with other fibres	5,477
Silk pongees, Honan	35,708
Silk pongees, Shantung	5,671
Silk pongees, n.o.r.	17,169
Silk products, n.o.r.	1,699
Silk and Cotton Mixtures	527
TOTAL	456,799 kg.

Waste Silk	768,770 kg.
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NOTE: 1) Compiled from the Customs' Trade Returns.

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Appendix V. Destinations of the Exports of Chinese  
Raw, Manufactured & Waste Silk in the  
Year 1946<sup>1)</sup>  
(Unit : Kilogrammes)

<u>Destination</u>	<u>Raw Silk</u>	<u>Manufactured Silk</u>	<u>Waste Silk</u>	<u>Total</u>
<u>EUROPE</u>	<u>196,129</u>	<u>16,449</u>	<u>284,557</u>	<u>497,135</u>
France	58,446	6,038	170,866	235,350
Belgium	22,596	1,428	66,857	91,881
USSR	76,854			76,854
Switzerland	27,169	1,867	43,517	72,553
Great Britain	10,044	2,754	1,690	14,488
Italy	60	643	22	725
Others		3,719	1,565	5,384
<u>HONGKONG &amp; MACAO</u>	<u>50,511</u>	<u>2,976</u>	<u>414,896</u>	<u>494,663</u>
Hongkong	50,211	2,976	411,903	491,300
Macao	300		2,993	3,293
<u>N. &amp; S. AMERICA</u>	<u>353,363</u>	<u>31,053</u>	<u>55,096</u>	<u>439,512</u>
U.S.A.	353,363	28,816	55,096	427,275
Canada		642		642
C. & S. America		1,595		1,595
<u>SOUTH-ASIA</u>	<u>232,299</u>	<u>84,206</u>	<u>1,089</u>	<u>347,594</u>
India	235,798	75,884	1,089	312,771
Burma	20,195	25		20,220
Indo-China	1,519	1		1,520
Others	4,787	8,296		13,083
<u>AFRICA</u>	<u>24,917</u>	<u>7,782</u>		<u>32,699</u>
Egypt	24,917	4,122		29,039
Others		3,660		3,660
<u>AUSTRALIA &amp; SOUTH PACIFIC ISLANDS</u>		<u>2,199</u>	<u>45</u>	<u>2,244</u>
<u>OTHERS</u>		<u>94</u>		<u>94</u>
<u>GRAND TOTAL</u>	<u>887,219</u>	<u>171,051</u>	<u>755,683</u>	<u>1,813,953</u>

NOTE: 1) cf. "Silk Trade during the Past Year" by Ke Ching-chun.,  
China Silk Corporation Review, Jan. 1st. 1948.

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Appendix VI. Destinations of the Exports of Chinese  
Raw, Manufactured and Waste Silk in  
the Year 1947. 1)  
(Unit : Kilogrammes)

<u>Destination</u>	<u>Raw Silk</u>	<u>Manufactured Silk</u>	<u>Waste Silk</u>	<u>Total</u>
<u>EUROPE</u>	<u>109,604</u>	<u>38,713</u>	<u>752,419</u>	<u>900,736</u>
Belgium	888	8,120	276,429	285,437
France	14,120	12,705	172,569	199,394
Great Britain	31,625	6,519	134,808	172,952
Switzerland	3,096	457	102,268	105,821
Italy		3,059	66,345	69,404
USSR	59,875			59,875
Sweden		7,002		7,002
Others		851		851
<u>ASIA</u>	<u>235,079</u>	<u>358,898</u>		<u>593,977</u>
India	163,851	349,560		513,411
Burma	53,683			53,683
Indo-China	16,888			16,888
Others	657	9,338		9,995
<u>HONGKONG &amp; MACAO</u>	<u>12,283</u>	<u>90,488</u>	<u>390,878</u>	<u>493,649</u>
Hongkong	12,283	90,067	390,878	493,228
Macao		421		421
<u>N. &amp; S. AMERICA</u>	<u>145,398</u>	<u>11,950</u>	<u>10,262</u>	<u>167,610</u>
U.S.A.	145,398	9,566	10,262	165,226
Canada		799		799
Mexico & S. America		1,585		1,585
<u>AFRICA</u>	<u>15,950</u>	<u>7,480</u>		<u>23,430</u>
Egypt (incl. Anglo-Egyptian Sudan)	15,949	4,498		20,447
British East Africa		1,709		1,709
Union of South Africa & Rhodesia	1	1,273		1,274
<u>AUSTRALIA &amp; PHILIP- PINE ISLANDS</u>	<u>3,013</u>	<u>1,306</u>		<u>4,319</u>
Australia	3,013	591		3,604
Philippine Islands		715		715
<u>OTHERS</u>	<u>2,838</u>	<u>3,855</u>		<u>6,693</u>
<u>REIMPORTED FROM ABROAD</u>	<u>- 608</u>			<u>- 608</u>
<u>GRAND TOTAL</u>	<u>523,557</u>	<u>512,690</u>	<u>1,153,559</u>	<u>2,189,806</u>

( End )

NOTE: 1) Compiled from the Customs' Trade Returns.

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U N I V E R S I T Y O F S C I E N C E S

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Notes on Coal in Kiangsi

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Articles and reports combined and  
digested in this Study:

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- "P'inghsiang to Use Machinery", Shang Pao, May 13, 1947.
- "Coal Deposit in Kiangsi", National Journal of Commerce, September 30, 1947.
- "Output of K'engk'ou Coal Mine", Chung Yang Jih Pao, Shanghai Edition, January 23, 1948.
- "Coal Mines in Kiangsi", Shang Pao, March 29, 1948.
- "Coal Production in Kiangsi for 1947", Economic Development Quarterly, (Kiangsi), No.V. April 1948.
- "A Plan for the Development of Mining in Kiangsi", by Hsia Hsiang-yung, Yen K'uen-yuan, Hsiung-Kung-hsiang and Chang-Jen-chun, Economic Development Quarterly (Kiangsi), No.V. April 1948.
- "T'ienho' Coal Mine Plans Increase of Production", Chin Yung Jih Pao, June 24, 1948.
- "Increase of Coal Production in Western Kiangsi Planned", Shen Pao, September 6, 1948.
- "The K'engk'ou Coal Mine" by Liu Tsao, Shen Pao, September 8, 1948.
- "Colossal Future for the P'inghsiang Coal Mine" by Liu Tsao, Shen Pao, September 9, 1948.

NOTES ON COAL IN KIANGSI

Coal deposits in Kiangsi are distributed in four belts running in the same direction across the province, ENE to WSW: two of them, the Northern and Southern, are of minor importance, while some mines in the two central Belts may be of basic value for the economic development of Kiangsi and neighbouring provinces.

i/ The Northern Belt, the smallest, extends along the Hsiuchui Valley in the districts of Kuukiang, Juich'ang, Tsan and Wuning.

ii/ The Main Central Belt extends from Lop'ing, South East of the Poyang Lake, to P'inghsiang near the border of Hunan, with other coal bearing areas found in P'oyang, Wannien, Yukan, Chinsien,

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Fengch'eng, Kacan, Hsinyu, Feni, Wantsai and Ich'un. Both bituminous and anthracite are abundant in this belt.

iii/ The Secondary Central Belt with a predominance of anthracite includes Kuanfeng in the East near Chekiang Province, Shangjiao, Kuangfeng, Yuanshan, Nanch'eng, Ch'ungjen, Chishui, Chian, Anfu, Yungshai and Lienhua.

iv/ The Southern Belt covers the anthracite bearing coal fields in the south of the province. They are much broken up by the abnormal growth of igneous rocks and are of little economic use.

There are most varied estimates concerning the coal reserve of the province. Recent surveys however assuming that the exploitation will be limited to 500 m. in depth, arrive at about 700,000,000 m.t. of which 460,000,000 are bituminous and 240,000,000 anthracite.

<u>Haian</u>	<u>Reserve</u>	<u>Haian</u>	<u>Reserve</u>
P'inghsiang	177,424,000	Yutu	5,000,000
Yukan	72,945,000	Hsinfeng	5,000,000
Fengch'eng	55,138,000	Linch'uan	5,000,000
Ich'un	34,920,000	Ts'ingkiang	4,000,000
Lop'ing	32,506,000	Juich'ang	4,000,000
Chinhien	22,945,000	Wuning	4,000,000
Chian	23,171,000	Yukiang	3,000,000
Kaoan	22,400,000	Fuliang	3,000,000
Hsinyu	17,000,000	Kiukiang	3,000,000
Shangjiao	16,830,000	Wanan	3,000,000
Ch'ungjen	15,000,000	Shangyu	2,000,000
P'oyang	12,324,000	Liangnan	2,000,000
Kuangfeng	12,000,000	Ch'ungli	2,000,000
Feni	11,627,000	Hsienchien	2,000,000
Wantsai	11,200,000	Tehsing	1,500,000
Yushan	11,000,000	Wuyuan	1,000,000
Yuanshan	10,000,000	Yungshai	1,000,000
Hengfeng	9,020,000	Kweich'i	1,000,000
Anfu	8,610,000	Ch'iennan	1,000,000
Shangkao	8,400,000	Anyuan	1,000,000
Chishui	8,107,000	Tean	1,000,000
Yungfeng	7,000,000	Hsiakiang	520,000
Lienhua	7,000,000	T'aiho	84,000
Wannien	5,325,000	Others	5,000,000

#### I. - The P'olo Coal Fields.

The P'olo Coal fields are located between Hungmen'ou in Poyang and Mingshan in Loping.

The thickness of the coal measures varies from 250-400 m. It is composed essentially of an alternation of sandstone and shales, together with several layers of limestone as at Mingshan in Loping. Only one principal coal seam varying from 13.15 feet or more in thickness is worked, though several minor coal seams mostly unworkable, occur both above and below the principal one. At Mingshan, the most famous mine in Loping district, coal seams are reported to be quite regular and persistent, whereas in other places there is usually great variation in thickness.

The coal is of a very particular kind, so remarkable that it should form a special type by itself. It is exceptionally rich in volatile matter (30.37 - 62.78%) and low in water (0.20.1 -

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1.78%). Before the war, fourteen analyses of the Loping coal had been made by different analysts. In eleven out of these fourteen the percentage of volatile matter greatly exceeds that of the fixed carbon while in an extreme case the volatile matter content is nearly twice that of fixed carbon. On the whole, the coal is rather rich in sulphur varying from 2 to 5.5%. Ash content is extremely variable (3.72 - 64.96%). The calorific power is rather low varying from 6,000 to 8,000 BTU or more.

The reserves of the P'olo fields, according to the Economic Development Quarterly, (April 1948) are estimated at 33,000,000 metric tons of which 10,000,000 is in Ch'iaot'ouch'iu and 23,000,000 in Mingshan.

Before the War, the production under the P'olo Coal Mining Company totalled some 300 tons daily at Mingshan and some 500 at Hungmenk'ou. These two mines, shortly after V-J Day, were placed under the operation of the Hsin Lo Enterprise with the aim of producing 4,800 tons per month. Since the monthly production had never exceeded 1,300 at the end of 1946 exploitation was interrupted. In Feb. 1947, these two mines were taken over by the Huainan Coal Mining Company and are being operated under a new name, the Kiangnan Coal Mining Company. Native methods are still employed. The production totalled 11,890.85 metric tons for the first six months of 1947. As reported by the local Shang Pao, March 29, 1948, the daily production has been raised from 63 to 600 tons since last winter. New pits are being sunk with a view to supplying coal for Kiangnan Nanchang Railway. Production is expected to reach 1,000 tons daily.

## II. - The P'inghsiang Coal Area.

The name of P'inghsiang is commonly associated with the Han-Yeh-ping Iron Works which it provided with metallurgical coke in prosperous times. P'inghsiang is in fact one of the few places and the most important in South China, where good coke can be obtained. Analyses made before the war give the following results:

Water.....	1.119	0.840
Fixed Carbon...	86.941	88.060
Ash.....	10.940	11.100
Sulphur.....	1.000	

In this study however, we are mainly concerned with coal reserves and mining.

In reviewing the P'inghsiang coal ores we shall first consider the two principal mining districts, Anyuan and Kaok'eng and then two minor ones: Maling and Ch'ashanli.

### 1. - Anyuan and Kaok'eng coal mines.

The whole mining area of P'inghsiang, stretching from NE-SW, is 9 kms. in length and 4 kms in width. In the North and Northeast are Tertiary red beds, and in the South and Southeast are Triassic sandstone shales. Coming down from Huangk'eng to the East, the altitude declines from 400 to between 1 and 2 hundred metres near Kaok'eng, Wangchiayuan and Tzuchiach'ung. The outcrop appearing here is said to be 8 kms long. Its thickness however decreases very much on approaching the western edge near Huangk'eng, so that the workable length is only 7 kms.

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The coal seams, totalling some 13 altogether, are mainly in Kaok'eng, Wangchiayuen and Tzuchiach'ung. These seams run along the same ENE to WSW trend and have a synclinal structure of 15° to 30° (average 25°). The main seams are known locally as the "P'eng Tsao" and "Ta Tsao". Their thickness varies considerably but on the average it is said to be about 4 metres. Both are intercalated with limestone shales 0.5 - 2.0 metres thick. Secondary coal seams are known by various names such as I Hsia Tsao, San Hsia Tsao, Yentze Tsao, Yingtze Tsao, Ma Ku Tsao, Sao Pien Tsao, etc....

The reserves still exploitable in Anyuan, in Tzuchiach'ung-Shiaok'eng and Anyuan-Huangk'eng, which had been estimated at 8,600,000 metric tons in the 1937 report of the Kiangsi Geological Survey, were put at some 37,600,000 metric tons by P. Kao and K.C. Hsu in more recent surveys.

Estimates established by Chu Ch'ien in 1933 gave the coal reserve in Kaok'eng (including Wangchiayuen) at 30-40 million metric tons. Here again a new survey made by the Coal Mining Administration of West Kiangsi arrived at 63,000,000 tons.

Various analyses of coal samples from Anyuan and Kaok'eng are given below.

Coal sampled from Anyuan.

Sample Taken	Water	Vol. Mat.	Fixed Carb.	Ash	Sulph.	BTU
Ta Tsao	1.02	28.24	63.88	6.86	0.35	7775
Ta Tsao	1.10	30.07	61.80	7.03	0.34	7559
I Hsia Tsao	1.31	29.67	65.30	3.72	0.74	7823
San Hsia Tsao	1.04	32.22	57.16	9.58	0.46	7291
P'eng Tsao	1.18	29.50	63.57	5.75	0.38	7793
Changkungt'an (SE of Anyuan)	0.83	23.41	52.97	22.79	0.56	6351

Coal Sampled from Kaok'eng.

San Hsia Tsao	1.02	28.63	49.98	20.34	0.57	6330
I Fen Ching	2.44	23.18	54.04	20.34	1.27	12055
San Fen Ching	2.19	23.44	58.60	15.77	0.8	12558
Sze Fen Ching	3.29	21.95	55.94	18.82	0.3	12207

Since V-J Day, exploitation of these coal fields has been placed under the Coal Mining Administration of West Kiangsi of the National Resources Commission.

An engineering section of the Administration has been detailed to Anyuan to supervise the native pits, numbering some 100 units, which the local people began to exploit during the Japanese occupation and which are now a problem to the Administration. Very little can be done to bring the pit proprietors into line with the Government policy of production. However, 4 of the biggest units have been bought over for Government exploitation.

The condition in Kaok'eng is much better.

A large scale power station is being built at Ch'uanchiang-yen by the Administration. According to this project, a total capacity of 14,000 KW will be generated. At present, the installation of a 1,000 KW generator has just been completed and it is to be followed by two more of 1,000 KW and 2,000 KW each. Two 5,000 KW generators will be installed next year to provide enough power for production in three years' time of 5,000 tons of coal daily as planned.

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Two new pits at Ch'ianglangwei are being dug but only at a rate of about 20 ft. monthly on account of power shortage. However, the work has doubled its speed since April 1948 when a 50 HP winch, an air compressor (310 cu.ft. per minute) and 75 KW diesel generator arrived. The diameters of these pits are of 18 ft. each. The shaft will reach a depth of 950 ft. At 625 ft. and 925 ft. two separate stone entrances communicating with the various coal seams will be opened. In the No.1 pit a 600 HP electric winch will be installed. In the No.2 pit two 7-ton coal carriers, to be raised by a 1,200 HP electric winch, will be installed. Kaok'eng is soon to be equipped with modern machinery from electric coal cars to automatic coal shoots, compressors, and ventilators.

Meantime the present coal production may be expected to rise to 600 tons daily in Kaok'eng and 250 in Anyuan. The two mines combined gave 10,091.40 metric tons during the first six months of 1947.

## 2. - Maling and Ch'ashanli Coal fields.

The Maling coal field is located 5-6 kms west of P'inghsiang with a mining area limited to Ts'inghsien-p'u in the North, Liukungmiao in the Southwest, the vicinity of T'ungsheng in the South, two kms beyond the west gate of P'inghsiang in the East. There are some 7 coal seams in this field but only 3 or 4 are exploitable. The average thickness totals 3 metres and the outcrop is 4 kms in length. The reserve is estimated at 7,000,000 metric tons. Coal found in this area is chiefly semi-bituminous and anthracite. During the War, the Maling coal used to have a wide market in Chongqing, Hunan Province.

The Ch'ashanli coal field, 16 kms southwest of P'inghsiang in the vicinity of Liukungmiao and Huchiafang has an outcrop only 2 kms long with a deposit of 3,240,000 metric tons. Semi-bituminous is mostly found throughout this field, but bituminous is also obtainable in the vicinity of Muk'out'ang at Liukungmiao from which coke was once obtained and sold locally. Various samples taken from Ch'ashanli were analysed as follows:

Water	Vol.Mat	Fixed Carb.	Ash	Sulph.	Calor.
3.83	16.10	65.71	14.35	0.05	6467
1.17	11.21	72.84	14.78	0.81	7050

## III. - Other Coal Fields of the Main Central Belt.

### 1. - The Fengchiang coal field.

The only information available on this field mentions that it has a reserve of about 50,000,000 m.t. of bituminous proper for coking.

### 2. - The Fengch'eng coal area :

There are many native mines operating near Fengch'eng, central Kiangsi; but only those under the Chienfeng Colliery are worth mentioning.

The Chienfeng fields are located at Kuanmashan, Yents'ungshan and Yuchiaoshan covering a total area of 4,781 mow with an estimated reserve of 1,100,000 tons. One seam of 10 ft. in thickness produces bituminous coal rich in fixed carbon :

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Water	1.45
Volatile Matter	16.27
Fixed Carbon	69.80
Ash Content	12.48

In 1947 the Kiangsi Provincial Government made a survey to Linghsia where it was found that good quality coal was obtainable. The water remaining in the pit had to be pumped first before production could be taken up. Preliminary investigation established that during the year 1948 an output of 300,000 metric tons could be yielded. In order to facilitate the transportation of coal thus produced it is now proposed that a light railway 6 kms long be built connecting the coal field to the Han River.

Another field is said to lie at Nulishe in Feng-ch'eng with an estimated reserve of 10,000,000 metric tons.

### 3. - The Kaochiang Coal Field of Hsian :

The coal field is located in the vicinity of the Kaoan-Hsinyu-Tsingkiang border (40 li NE to Hsian, 70 li S. to Hsinyu and 50 li east to Tsingkiang). Stretching from NE-SW the field covers an area of 10 kms in length and 7 kms in width. The main seam, dipping slowly at an angle between  $10^{\circ}$ - $30^{\circ}$ , is composed of several synclines and anticlines with many minor folds and faults. Other coal seams are found also in the northern and southern limbs of the synclines in the vicinity of Szekangling, Hsianwu, Kaochiang and Taling.

The extension of the coal seams at Tawangmiao or Szekangling is 6 kms in length, that of Tungling of Kiangchia 4 kms, and that at Szekanli of Kaochiang is 5 kms. The thickness in the vicinity of Tawangmiao and Tungling varies between 1.3 - 1.7 metres and in Kaochiang is 1 metre. An outcrop of 1 kms, appears on both sides of these seams. Reserves are said to be 22,050,000 metric tons of semi-bituminous and non-coking coal.

An analysis made by the Kaochiang Coal Mining Co. is given as follows:

Water	Vol.Mat.	Fix.Carb.	Ash	Sulph.	Calor.
1.10	10.68	71.62	16.20	2.42	6811

Large-scale exploitation is said to be difficult on account of the scattered distribution. Native mines used to be very numerous, operating in Szekangling, Tawangmiao, Tungling, Kaochiang, Szekanli, Taling and Hsianfang.

### 4. - The Huakushan coal field areas of Hsinyu :

An Asymmetrical synclinal structure, the coal field is located 30 li north of Hsinyu. Some 6 to 7 coal seams were reported after a survey previously made inside the native pits. The main seam operated by the Huakushan Coal Mining Company has a thickness varying between 2 and 4 metres. Several other seams also exist above the main one but are too thin for exploitation. A 2-km outcrop appears at Huakushan and runs to the northwestern foot of the Huangshuling hill. The seam strikes NE-SW dipping at an angle of  $50^{\circ}$  to the SE.

The coal is bituminous and coking and is said to be of better quality than the P'ingchiang coal. The analysis is given as follows:

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Water	Vol. Mat.	Fixed Carb.	Ash	Sulph.	Calor.
0.89	24.36	67.51	7.24	0.80	7698

Coal is being sold unwashed in Nanchang, Changshou, Kiukiang and Chian. The mine is workable only during the autumn and winter seasons as it is often flooded in spring and summer.

According to the Economic Development Quarterly, April 1948, the reserves at Huakushan are estimated to be about 17,000,000 metric tons. Modern methods for large-scale exploitation have been proposed as well as the building of a light railway between Hsinyu and Huakushan on the Nanchang-Ich'un section, (Chin Yung Jih Pao, April 6, 1948).

5. - The Peihsiang coal mine at Wantsai :

A wide distribution of the Anyuan series is found at Peihsiang near Wantsai. Many small fields occur in the vicinity of Shihzuli with coal seams varying between 1 and 2 feet in thickness. The coal sample is analysed as follows :

Water	Vol. Mat.	Fixed Carb.	Ash
1.34	6.72	28.66	63.28

No further details are available.

6. - The Sanyan'ch'iao coal mine near Ich'un :

There is only one seam existing in this mine, where anthracite is produced. The reserves are believed to be 6,720,000 metric tons.

Another coal field, also producing anthracite, has been found at Hsita'un with an estimated reserve of 10,000,000 m.t.

IV. - Main Coal Fields in the Secondary Central Belt.

1. - The K'eng'ou coal mine :

The mine is located at the valley between Fengling-t'ou and Hengfeng in the district of Shangjiao, Eastern Kiangsi. The area of this mine covers some 60 li with reserves estimated at 100,000,000 tons. The coal seam was first exploited in 1936. Operation was carried on for one year but was suspended in 1938 on account of financial difficulties. The mine was severely damaged when the Japanese penetrated into Shangjiao in 1942.

Exploitation was restored shortly after V-J Day with a daily output of only 3 tons which to-day, has reached more than 30 according to the Chung Yang Jih Pao, Jan. 23, 1948.

Actually there are two shafts operating in this mine. New pits are being drilled to increase the supply of coal for the Chekiang-Kiangsi Railway, which is now using K'eng'ou coal for the trains running between Ch'uchow (Chekiang) and Shangjiao (Kiangsi).

2. - The T'ienho coal mine in Chian :

T'ienho, a village 120 li from Chian and 60 li from Yunghsin, is situated on the southern bank of the Houshui which is navigable by 30 ton barges except in winter. The main field is

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near Chouyuan, 20-30 li North of T'ienho, where the coal seams strike ENE-WNW. An outcrop 8 kms in length appears at Shuihuolung passing from West to East through Fengshanhsien, Laolungshan, Hsi-fat'ang, Yaolanwo, Niuwang and terminates at Tung'eng.

The main productive seam varies from 2.6 - 4 metres in thickness and the reserves are estimated at 13,000,000 metric tons. However, the workable reserves up to a depth of 390 metres, are generally believed to be of around 8,000,000 metric tons only. Especially good quality coal is said to be found 300 ft. below the sea level where exploitation has not begun. The coal measures between 100 ft. above and 300 ft. below the sea level are nearing exhaustion.

The coal obtained, bituminous and coking, is of good quality as shown in the following analysis :

Sample from	Vol.Mat.	Fixed Carb.	Ash	Sulph.	Calor.
Laolung	24.71	54.64	18.96	2.26	6239
Chouyuan	27.22	54.42	17.78	6.95	6500

With a view to increasing the coal supply for Central China, the T'ienho coal field is jointly operated to-day by the Kiangsi Provincial Government and the National Resources Commission.

Actually, exploitation is still being carried out by man power with a total of 13,263.90 metric tons produced during the first six months of 1947. Production should increase when machinery arrives. Meantime, a three-year project has been drawn up by which the production can be raised to 72,000 tons for the first year, 180,000 for the second and 540,000 for the third, provided a 750-KW turbine and two power generators are promptly installed.

Following the improvement of transportation facilities made by the T'ienho Coal Mining Advisory Committee, the daily production was raised from 60 to 200 tons in March. Recently, a request has been filed with the Provincial Government for a sum of CN\$50,000,000,000 to meet new expenses for the increase of production to 15,000 tons monthly, as reported by the Chin Yung Jih Pao, June 24, 1948.

### 3. - The Fengt'ien coal mine in Anfu :

Starting from Fengt'ien in the East of Anfu the seam continues South and arrives at the northern border of Chien. The reserves are not yet known but the seam at Fengt'ien is 0.50 metres thick. Anthracite is found in this field and has been analysed as follows :

Water	Vol.Mat.	Fixed Carb.	Ash
2.17	4.66	61.12	32.05

### 4. - The Peihsiang coal field in Lienhua :

The seam is 3-6 ft. thick producing anthracite. The reserves are said to be about 10,000,000 tons. The seam strikes SW from Lienhua to Ch'aling in Hunan. The composition of the Lienhua coal is given in the following analysis :



Water	Vol.Mat.	Fixed Carb.	Ash	Sulph.	Calor.
3.90	2.60	79.26	14.27	0.69	6357
4.21	1.91	73.25	20.63	0.49	5580

+ + +

Licences given for coal mining concessions totalled 58 at the end of 1947. All were operated by private companies except those of Anyang and Kaok'eng in P'ingshiang and the T'ienho mine in Chiao. According to an item in the Chin Yung Jih Pao, Feb. 29, 1948, 36 concessions have already resumed operation, 19 in Fench'eng, 5 in Lop'ing and the others in Chiao, Shangpao, Hengfeng, Lungyuan, Yuanshan and Linch'uan, with a total estimated output of 500,000 m.t. per year.

A part of the loans (CN\$2,757,000,000,000 and US\$1,600,000) planned by the Bank of Communications to foster coal mining in Central and South China will go to Kiangsi. Express conditions for obtaining these loans are that the beneficiary mine shall surrender all their output to the competent authorities for allocation. The State operated West Kiangsi Coal Mining Administration is said to be the only possible candidate for the time being (Chin Yung Jih Pao, April 12, 1948).

( End )

U N I V E R S I T Y    L I B R A R Y

Shanghai

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Supplementary Measures for the  
Readjustment of Finance

Promulgated by Presidential Decree  
on the 26th of August 1948:

Published in the Shang-Pao (Shanghai),  
August 27th, 28th & 30th 1948.

Annex No. LXI

Annexes concerned: No. 1  
XVIII, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 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2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163,

following year, submit a return on the amount of his income during the (past) said year, to the collecting office which shall, after investigation and assessment (of the amount of tax payable), give notice of the payment to be made within a given time limit.

- 2) After the end of each half year, the collecting office may, considering the actual conditions of operation of each business during that half year, estimate the amount of its income, determine the amount of tax payable and notify the taxpayers to make payment thereof within a given time limit. Those taxpayers who make the payment within the time limit as prescribed, shall be exempted from the obligation of submitting any report and furthermore, no auditing of their accounts shall be made. Those who have paid the income tax for the first half of the thirteenth year (of the Chinese Republic) as estimated, shall further be exempted from paying any amount of tax still remaining due on the income of the thirteenth year 1) and the estimated amount of tax, if it had already been paid.
  - 3) Any taxpayer who fails to submit the return or pay the tax within the prescribed time limit, shall be punished in strict conformity with the Income Tax Law.
  - 4) Detailed supplementary measures concerning the submission of the return and estimation of the tax to be paid, shall be laid down by the Ministry of Finance.
- B. In collecting the commodity tax, 2) tax on tobacco and wines produced in this country 3) and mineral product tax 4), the taxable value shall always be the balance of the wholesale price on the markets on the nineteenth day of August of the thirty-seventh year (of the Chinese Republic) after deducting the actual amount of tax for the period in question; the tax shall be collected at the rate prescribed by the law.

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 EDITOR'S NOTES: 1) i.e. year 1947.

- 2, cf. Commodity Tax Regulations promulgated by the National Government on the 2nd of April 1943; Article 14 was revised on the 15th of May 1946 and Articles 3, 4 and 5 of the 30th of July 1946 (Annex LXI of Monthly Bulletin No. XIX-June-July 1946, and Annex LXII in this Bulletin).
- 3) The Regulations governing the Taxation of Tobacco and Wines Produced in this Country were promulgated by the National Government on the 2nd of April 1943; Article 25 was revised on the 15th of May of the same year.
- 4) The Mineral Product Tax Regulations were promulgated by the National Government on the 5th of February 1947.

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II. Concerning the revision of the starting points and scales of taxation in relation to pre-war tax rates:

- A. The revised starting point and scale of taxation on income shall be laid down in the attached Table I. 1)
- B. The revised starting point and scale of taxation on inherited properties and the deductions granted shall be as laid down in Table II below 2).
- C. The revised revenue stamp duty rates and the amounts of exemption shall be as laid down in Table III below 3).

III. Concerning the revision of tax rates :

- A. The Customs House besides the import duty 4) shall collect an additional tax for the Rebellion-suppression Period equal to forty per cent of the import duty, except where the duty rates have been agreed upon by a convention.
- B. A tax amounting to Gold Yuan eight dollars shall be collected on each Shih Tan 5) of edible salt; Gold Yuan five dollars and sixty cents shall be collected on each Shih Tan of brine salt or rock salt; and Gold Yuan forty cents on each Shih Tan of salt used in the fisheries. Salts used in industry and agriculture shall be exempted from the tax.

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EDITOR'S NOTES: 1) See p. 5 & 6.

2) See p. 6 & 7.

3) See p. 8 ff.

4) The Customs Import Tariff was newly revised and promulgated by the President of the Chinese Republic on the 1st of August 1948, and enforced on the 7th of August 1948.

5) 1 Shih Tan = 50 Kgs.

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IV. In connection with the revision of the standards of Fa Chin<sup>1)</sup> and Fa Huan<sup>2)</sup> fines:

- A. The Regulations for Raising the Standards of Fa Chin and Fa Huan Fines shall be abrogated.
- B. Where the Fa Huan and / or Fa Chin fines prescribed in any law were originally to be governed by the provisions of the Regulations for Raising the Standards of Fa Chin and Fa Huan Fines, they shall now be imposed in Gold Yuan according to the original amounts as laid down in the law in question. The same standard shall apply when Fa Chin fines and penal servitude are alternative.
- C. Where the Fa Huan and/or Fa Chin fines prescribed in any law were originally not governed by the provisions of the Regulations for Raising the Standards of Fa Chin and Fa Huan Fines, the amounts prescribed therein shall first be readjusted according to the ratio between the index number of the wholesale commodity prices throughout the country for the first half of the month of August of the thirty-seventh year (of the Chinese Republic) and the same index number for the time when the law was promulgated; the fines shall then be converted into Gold Yuan at the prescribed rate. The amounts expressed in Gold Yuan shall be published by the competent authority.

V. Concerning the revision of standards for collecting fees:

Competent offices shall, by referring to prewar levels, revise the standards for various kinds of fees and report them to the competent Yuan for confirmation. The fees shall be collected in Gold Yuan.

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EDITOR'S NOTES: 1) The term Fa Chin is used for a strictly penal fine under a criminal law; that is, a punishment imposed by a lawful tribunal on a person convicted of crime or misdemeanor.

2) The term Fa Huan is used for a fine of a civil character under civil law, or of a fiscal character, imposed for breaches of taxation laws; in both cases it is imposed for offences which do not come under the penalties of the criminal law.

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TABLE I

REVISED STARTING POINTS AND RATES OF  
TAXATION ON INCOMES OF VARIOUS CLASSES<sup>1)</sup>I. Starting Points and Rates of Taxation on Income  
from Profit-seeking Enterprises.a. Starting point of taxation: half yearly income amounting to  
Gold Yuan one hundred and fifty dollars.

b. Tax rates:

1)	5%	on any income from 0.1500 up but less than 0.2500	
2)	6%	on any part of the income	
		in excess of 0.2500	250 up to 500
3)	8%	.....	1.000
4)	10%	.....	1.500
5)	12%	.....	2.000
6)	14%	.....	3.000
7)	16%	.....	5.000
8)	18%	.....	10.000
9)	21%	.....	25.000
10)	25%	.....	50.000
11)	30%	.....	100.000

For public utilities, industrial, mining or  
transportation enterprises, the amount of tax payable at  
the rates given above shall be reduced by ten per cent.

II. Starting Points and Rates of Taxation on Income  
from Remunerations and Salaries or Wages.A. - Section A. Tax on income from the  
remuneration of professional  
services or artistic work.a. Starting point of taxation: annual income amounting to Gold  
Yuan four hundred and eighty dollars.

b. Tax rate: three per cent.

EDITOR'S NOTE: 1) of the Income Tax Law promulgated by the National  
Government on the 1st of April 1943. The Law  
was revised on the 14th of May 1946 (see Monthly  
Bulletin Nos. XVII & XVIII - April & May 1946 -  
Annexes I & LIII); and also the Table of the  
Starting Points and Rates of Taxation on Incomes  
of Various Classes for the Thirty-seventh Year  
of the Chinese Republic (1948), promulgated by  
the National Government on the 1st of April 1948;  
(Monthly Bulletin No. XVII - April 1946 - Annex No. 1).

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B. - Section B. Tax on income from fixed salary or wages.

- a. Starting point of taxation: monthly income amounting to Gold Yuan forty dollars.
- b. Tax rates:
  - 1) 1% on any part of the income in excess of GY\$ 4C up to GY\$150
  - 2) 2% ..... 150 " " 300
  - 3) 3% ..... 300 " " 600
  - 4) 4% ..... 600.

III. Starting Point and Rate of Taxation on Income from Lease of Property.

- a. Starting point of taxation: annual income amounting to Gold Yuan eighty dollars.
- b. Tax rate: four per cent.

IV. Starting Point, Rate of Taxation and Standard Net Profit on Temporary Income.

- a. Starting point of taxation: income amounting to Gold Yuan forty dollars.
- b. Tax rate: ten per cent.
- c. The income from temporary trade shall be the balance of the receipts from each sale of goods, after deducting ninety per cent thereof as cost and expenses.

TABLE II

REVISED STARTING POINT, SCHEDULE OF TAXATION AND DEDUCTIONS GRANTED ON INHERITANCE 1)

- a. The starting point of taxation on inheritance shall be changed into Gold yuan twenty thousand dollars.
- b. The amounts of exemption from the inheritance tax shall be revised as follows:
  - 1) Any total legacy amounting to less than Gold Yuan twenty thousand dollars.
  - 2) Property amounting to less than Gold Yuan forty thousand dollars, left by any officer or private of the army, navy or air force, or any government official, killed in battle or whose death resulted from wounds received when serving on the battlefield.

EDITOR'S NOTE: 1) of the Inheritance Tax Law promulgated by the National Government on the 16th of April 1946 (Monthly Bulletin No XI - October 1947 - Annex XXVIII).

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Rate of Duty : A revenue stamp of 40¢ shall be affixed on each document; a revenue stamp of 40¢ shall be affixed on each book each year.  
 Party to Affix the Stamps : The party issuing the document.  
 Exemption : Total amount less than \$3.

ANNOTATION : The documents and books mentioned in this item shall include cleaning and drying vouchers, and clock and watch repair vouchers. Where goods are sold without any invoice, if any of the documents mentioned in this item is used as a substitute, then revenue stamps shall be affixed thereon according to the provisions for sales invoices under item 1.

#### 13. Documents for Deposit or Storage of Goods.

Nature of Doc. : Contracts or receipts issued by trust, warehouse or other firms for the safe-keeping of the goods or documents of others.  
 Rate of Duty : A revenue stamp of 40¢ shall be affixed on each receipt; a revenue stamp of 40¢ shall be affixed on each contract.  
 Party to Affix the Stamps : The party issuing the document.  
 Exemption : Total amount less than \$3.

ANNOTATION : The contracts and receipts here mentioned shall include warehouse receipts, storage certificates and all kinds of safe-deposit receipts. Where warehouse receipts are used by commercial firms in the place of invoice for the sale of goods, then revenue stamps shall be affixed thereon according to the provisions for sales invoices under item 1.

#### 14. Books Used for Business Purposes.

Nature of Doc. : Account books and books used in business by public or private firms or corporations.  
 Rate of Duty : A revenue stamp of 40¢ shall be affixed on each book each year.  
 Party to Affix the Stamps : The party issuing the document.

ANNOTATION : Where the capital account is not stated on any separate capital account book, share certificate or agreement on which revenue stamps have been affixed, but is entered in the business books, then the book in which the amount of capital is stated, shall be the document subject to stamp duty as provided in item 4 of this Table. If any such account book combines two or more purposes, it shall bear duty according to the provisions of item 4 of this Table. If loose leaves or bills or documents used within the firm are bound up together into books, revenue stamps shall be affixed thereon as provided in this item.

#### 15. Documents or Contracts for Transportation.

Nature of Doc. : Documents or contracts for transportation issued by public or private transportation companies to clients who directly or indirectly consign the transportation of their goods to the companies, and bills of lading.  
 Rate of Duty : A revenue stamp of 40¢ shall be affixed on each document or contract.  
 Party to Affix the Stamps : The party accepting the consignment for transportation.



Exemption : Total amount less than \$2. Contracts or documents for railway transportation shall be exempted from duty.  
 ANNOTATION : If the contract or document for transportation indicates the amount of transportation fee received and no separate receipt for money has been made out, revenue stamps shall be affixed on such contract or document as provided under the item of receipts for money.

16. Mandatory Documents.

Nature of Doc. : Documents mandating others to manage business or act as agents or undertake the conduct of affairs.  
 Rate of Duty : A revenue stamp of \$10 shall be affixed on each deed.  
 Party to Affix the Stamps : The party issuing the Document.

17. Admission Tickets to Places of Entertainment, Contests, or Exhibitions.

Nature of Doc. : Tickets for admission to various places of entertainment, contests or exhibitions, dance tickets 1), and earphone 2) tickets.  
 Rate of Duty : For every \$1 contained in the amount on each ticket, a revenue stamp of \$5 shall be affixed. Any fraction of \$1 shall be considered as \$1.  
 Party to Affix the Stamps : The party selling the ticket.  
 Exemption : Total amount less than \$10.

ANNOTATION : The places of entertainment mentioned in this item shall mean theatres, cinemas, singing and dancing halls and other amusement resorts.

CATEGORY II. - DOCUMENTS OF PROPERTY.

18. Documents for the Granting or Division of Property.

Nature of Doc. : Any paper prepared by the owner of a property to give the whole or a part of his property either inter vivos or causa mortis to his heirs or to others.  
 Rate of Duty : For every \$10 contained in the amount on each deed, a revenue stamp of \$3 shall be affixed. Any fraction of \$1 shall be counted as \$1.  
 Party to Affix the Stamps : The party preparing the Document; in case of his failure to affix the stamps, the beneficiaries shall be held liable for them.  
 Exemption : Total amount less than \$10.

EDITOR'S NOTES: 1) A ticket entitling its holder to one dance with a dance partner at a cabaret.

2) For the earphones fixed to a seat in the cinema, by means of which the translation into the vernacular of the dialogue of a foreign film is communicated to the spectator.

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ANNOTATION : The documents here mentioned shall include deeds of division of property, deeds of division of family properties, and testaments bequeathing properties. Where two or more copies of a deed of division of property are issued, each copy shall bear revenue stamps according to the amount allotted.

19. Certificates of Rights.

Nature of Doc.: Certificates of management of land, certificates of ownership of land and other certificates of rights issued by competent government organizations when undertaking the registration of immovable properties.

Rate of Duty : For every \$100 contained in the amount on each certificate, a revenue stamp of \$2 shall be affixed. Any fraction of \$1 shall be counted as \$1.

Party to Affix the Stamps : The recipient.

Exemption : Total amount less than \$10.

ANNOTATION : The certificates here mentioned shall include certificates of ownership of land, certificates of management of land, and certificates of superficies, praedial servitudes, and "Easement".

20. Documents of Title, Sale, Transfer or Purchase of Property.

Nature of Doc.: Any document drawn up for title or sale, transfer or purchase of movable or immovable properties or securities.

Rate of Duty : For every \$100 contained in the amount on each deed, a revenue stamp of \$3 shall be affixed. Any fraction of \$1 shall be counted as \$1.

Party to Affix the Stamps : The party issuing the Document.

Exemption : Total amount less than \$10.

21. Documents Establishing Superficies or Praedial Servitudes.

Nature of Doc.: Any paper conferring a right to utilize land by building, constructing or planting bamboo or trees thereon, or to use another's land for the more convenient use of one's own land.

Rate of Duty : For every \$100 contained in the amount on each deed, a revenue stamp of \$3 shall be affixed. Any fraction of \$1 shall be counted as \$1.

Exemption : Total amount less than \$10.

22. Renting or Lease Documents.

Nature of Doc.: Documents for the renting or lease of movable or immovable properties for a fixed or indefinite term.

EDITOR'S NOTES: 1. Ref. the right to get water from a well on another's land or right of way across it.

2. As defined in Book III, Ch.VIII, Article 911 of the Civil Code of the Chinese Republic "Easement" is the right to possession, usage and usufruct of fixed property owned by another in return of a payment made to him.

**Rate of Duty** : For every \$100 contained in the amount on each contract or document, a revenue stamp of y3 shall be affixed. Any fraction of y1 shall be counted as y1.

**Party to Affix the Stamps** : The lessor.

**Exemption** : Total amount less than \$10.

**ANNOTATION** : The documents here mentioned shall include all those for renting of movable or immovable properties such as vehicles, vessels, wharves, land, houses. If the renting or lease contract is inserted in a book which is also used for collecting rents, revenue stamps shall be affixed on this pass book as provided in this item. Where no statement of the contract is made in the book, revenue stamps shall be affixed thereto as provided in item 14 of this Table.

#### 20. Licences for the Use or Lease of Government Properties.

**Nature of Doc.** : Licences issued by competent government organisations permitting individuals or groups to use or lease government property.

**Rate of Duty** : For every \$100 contained in the amount on each licence, a revenue stamp of y3 shall be affixed. Any fraction of y1 shall be counted as y1.

**Party to Affix the Stamps** : The recipient.

**Exemption** : Total amount less than \$10.

**ANNOTATION** : The licences here mentioned shall include licences for the use or lease of government properties or for the development of new land.

#### CATEGORY III. - DOCUMENTS ON PERSONAL AFFAIRS.

##### 21. Certificate of Personal Status or Qualification.

**Nature of Doc.** : Certificates or licences issued by competent government organisations to identify the personal status or the qualifications of individuals.

**Rate of Duty** : A revenue stamp of y50 shall be affixed on each certificate or licence.

**Party to Affix the Stamps** : The recipient.

**Exemption** : Census registers or registration forms and citizen's personal identification cards, naturalisation certificates and certificates of nationality for Chinese nationals abroad, shall be exempted from duty.

**ANNOTATION** : The certificates and licences here mentioned shall include certificates of lawyers, accountants, medical doctors, pharmacists, engineers and various technicians, stock exchange brokers' licences; certificates of the passing of all kinds of examinations, navigator's or Master's certificates; driving licences; architect's certificates; certificates of assistant pharmacists, midwives and nurses.

25. Military Service Certificate.

Nature of Doc. : Certificates approved and issued by competent government organisations for postponement of service or of the call to service.  
 Rate of Duty : A revenue stamp of \$10 shall be affixed on each certificate.  
 Party to Affix the Stamps : The recipient.

26. Graduation Diplomas or Certificates of Attendance.

Nature of Doc. : Graduation diplomas or certificates of attendance issued to students by public or private schools of various grades, or by various training classes, or lecture classes.  
 Rate of Duty : A revenue stamp of \$10 shall be affixed on each diploma or certificate.  
 Party to Affix the Stamps : The recipient.  
 Exemption : Primary or pre-primary school graduation certificates or certificates of results of examinations issued by schools shall be exempted from the duty.

27. Matrimonial Certificates.

Nature of Doc. : All certificates relating to marriage.  
 Rate of Duty : A revenue stamp of \$1 shall be affixed on each certificate.  
 Party to Affix the Stamps : Both parties concerned.  
 Exemption : Marriage registration certificates issued by census offices shall be exempt.  
 ANNOTATION : The matrimonial certificates mentioned here shall include certificates of engagement, marriage, dissolution of engagement and divorce.

28. Contracts of Employment.

Nature of Doc. : All contracts employing persons to undertake work or accepting requests to render certain services.  
 Rate of Duty : A revenue stamp of \$10 shall be affixed on each contract.  
 Party to Affix the Stamps : The party issuing the Document.  
 Exemption : Employment contracts issued by Government organs or schools shall be exempt.

29. Bonds of Guarantee.

Nature of Doc. : Bonds issued to guarantee persons as to behaviour and character or to guarantee that they will not perform certain specified actions; or to guarantee the quality of goods; or to guarantee the future handling and development of certain specified affairs; or to guarantee willingness to accept certain punishments.

Rate of Duty : A revenue stamp of \$50 shall be affixed on each bond.

Party to Affix the Stamp : The purchaser guaranteed.

Exception : Labourer's bonds of guaranty; bonds of guaranty for admission to school or to examination and bonds of guaranty of employees of government organizations are exempt.

ANNOTATION : The bonds here mentioned shall include bonds of guaranty, of security, of franchises or of formal arrangements.

#### SECTION IV. - SUBSCRIPTION OF PERMITS

##### 30. Various Permits and Licenses

Nature of Docs : Permits issued by competent government organizations for purposes other than collection taxes or duties.

Rate of Duty : A revenue stamp of \$40 shall be affixed on each certificate or license; a revenue stamp of \$10 shall be affixed on each certificate of registration of patent or of a financial, patent or insurance business.

Party to Affix the Stamp : The recipient.

ANNOTATION : The permits and licenses here mentioned shall include all permits, certificates or licenses issued for purposes other than taxation; such as various business licenses, registered certificates, patents, trademark registration certificates, export or import permits, licenses for purchasing or selling specified goods, mining, fishing or publishing licenses, certificates that goods have been examined and found up to standard, etc. The collection of the cost of the permit, certificate or license issued, service fees or registration fees shall not be regarded as taxation.

##### 31. Certificates or Licenses of Vehicles, Vessels or Aeroplanes

Nature of Docs : Certificates or licenses of vehicles, vessels or aeroplanes, issued by competent government organizations for purposes other than collection taxes or duties.

Rate of Duty : A revenue stamp of \$1 shall be affixed on each certificate or license.

Party to Affix the Stamp : The recipient.

ANNOTATION : The certificates and licenses here mentioned shall include certificates of the nationality of vessels, and the business licenses of ships or other vessels, motorized vehicles, vehicles drawn by animals, or aeroplanes.

EXCLUDED FROM THE VEHICLE TAX : Rickshaws and rickshaws on a bicycle.

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32. Permits to Carry Arms for Self-defence or Hunting.

Nature of Doc. : Permits issued to individuals by competent government organizations for carrying arms for self-defence or hunting.  
 Rate of Duty : A revenue stamp of \$50 shall be affixed on each permit.  
 Party to Affix the Stamps : The recipient.

33. Transportation Permits.

Nature of Doc. : Permits issued by competent government organizations for the transportation of commodities or of duty-free goods.  
 Rate of Duty : A revenue stamp of \$50 shall be affixed on each permit.  
 Party to Affix the Stamps : The recipient.

ANNOTATION : The permits here mentioned shall include those for transporting luggage, special duty-free goods, coffins (containing corpses) or money.

34. Travel Permits.

Nature of Doc. : Passports or permits issued by competent government organizations for travelling inside the country, or as exit visas, or for studying or residing abroad.  
 Rate of Duty : A revenue stamp of \$20 shall be affixed on each passport or permit to be used inside this country; a revenue stamp of \$1 shall be affixed on each passport or permit to be used in foreign countries.  
 Party to Affix the Stamps : The recipient.  
 Exemption : Diplomatic passports are exempt.

CATEGORY V. - VARIA.

35. Receipts or Books for the Remuneration of Services.

Nature of Doc. : Receipts or books issued by government officials, teachers or school staff members or persons engaged in various professions on the receipt of their salaries, or issued by persons engaged in the liberal professions as receipts for the remuneration of their professional or artistic services.  
 Rate of Duty : For every \$10 contained in the amount on each receipt or pass book, a revenue stamp of \$1 shall be affixed. Any fraction of \$1 shall be counted as \$1.  
 Party to Affix the Stamps : The recipient.  
 Exemption : Receipts for the pay or remuneration of private or non-commissioned soldiers or policemen shall be exempted from duty. Where the total monthly income of other employees or

labourers is less than \$20, the receipts for their salaries, wages or remuneration shall also be exempted from duty.

ANNOTATION : The remuneration of services here mentioned shall include all salaries, allowances, annual pensions, bounties, retirement pensions, old age pensions and other grants. Sums drawn by persons in public services for expenses incurred in the performance of their duties are not included here.

36. Documents of Application or Petition..

Nature of Doc. : All statements, petitions or applications claiming certain rights or benefits submitted by individuals or groups to government organizations

Rate of Duty : A revenue stamp of \$10 shall be affixed on each document.

Party to Affix the Stamps : The party issuing the Document.

Exemption : Applications submitted by students or soldiers and applications for registration of land shall be exempt.

ANNOTATION : The documents here mentioned shall include applications for import or export permits, for settling foreign exchange accounts or purchasing foreign exchange, bills of entry used by importers or exporters, applications by foreigners for naturalisation and all other applications for claiming rights or benefits.

( End )

U N I V E R S I T Y L I B R A R Y

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Revised Texts of Articles 3, 4 and 5  
of the Commodity Tax Regulations,

Promulgated by Presidential Decree  
on the 30th of July 1946,

Published in the Weekly Review of  
Laws (Fa Ling Chou K'an),  
August 11th 1946.

Annex No.: LXII

Annex Concerned:  
No. LXIII.

Number of pages: 2

Remarks:

REVISED TEXTS OF ARTICLES 3, 4 and 5  
OF THE COMMODITY TAX REGULATIONS<sup>1)</sup>

Article 3.

The following commodities shall be subject to  
the commodity tax:

- 1) Rolled Tobacco: comprising all kinds of Cigarettes  
made with rolls of tobacco enclosed in cigarette paper,  
Cigars made with tobacco leaves, as well as Foreign-  
style Tobacco.
- 2) Blue-cured Tobacco Leaf.
- 3) Foreign Wines and Beers: comprising all kinds of for-  
eign-style wines manufactured in this country, with the  
exception of alcohol.
- 4) Matches: including both those made with phosphorus sul-  
phide and safety matches.
- 5) Sugar: including brown and white sugar, orange sugar,  
crystal sugar, cube sugar, lump sugar and refined sugar.
- 6) Cotton Yarn: comprising machine-made unbleached cotton  
yarn, singed cotton yarn, cotton yarn waste, yarn made  
with artificial cotton and all other kinds of cotton  
yarn.
- 7) Woollen Yarn and Woollen Thread: comprising woollen yarn  
and woollen thread, and yarns and threads made from wool  
mixed with other fibres.
- 8) Furs.

EDITOR'S NOTE: 1) The Commodity Tax Regulations were promulgated  
by the National Government on the 2nd of April  
1946 (cf. Monthly Bulletin No. XIX - June-July  
1946 - Annex LXVII).

The present revision concerns chiefly the  
tax rates in article 4, as only very slight  
changes have been brought in Articles 3 and 5.

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- 9) Cement.
- 10) Beverages: comprising aerated water, fruit juices and syrup.
- 11) Tin Foil and Paper used for Superstitious Purposes: referring to all kinds of tin foil and paper used for superstitious purposes.
- 12) Cosmetics: including hair pomade, brilliantine, face powder, rouge, shaving soap, lipstick, perfume, nail polish and eyebrow pencil.

Article 4.

The rates of the commodity tax shall be as follows:

1) Rolled Tobacco:	120% ad valorem
2) Flue-cured Tobacco Leaf:	30% " "
3) Foreign Wines and Beer:	120% " "
4) Matches:	20% " "
5) Sugar:	25% " "
6) Cotton Yarn:	10% " "
7) Woollen Yarn and Woollen Thread:	15% " "
8) Furs:	15% " "
9) Cement:	15% " "
10) Beverages:	30% " "
11) Tin Foil and Paper used for Superstitious Purposes:	60% " "
12) Cosmetics:	45% " "

Article 5.

The taxable value of a commodity subject to the commodity tax shall be computed on the average of its wholesale prices for one month in the markets near the producing region.

The above-mentioned average wholesale price covers:

- (a) The taxable value of the commodity concerned;
- (b) The original commodity tax to be paid, i.e. the tax rate to be applied to the taxable value of that commodity;
- (c) The expenses for transporting the commodity from the producing region to a nearby market, being fixed at ten per cent of the taxable value.

The formula for computing the taxable value shall be as follows:

The assessed taxable value =  

$$\frac{\text{average wholesale price on markets near the producing region} \times 100}{\text{divided by } (100 + \text{tax rate on the commodity concerned} + \text{expenses for transporting from the producing region to a nearby market i.e. } 10)}$$

All goods whose price has been agreed on by a government office may be dealt with according to the provisions of the preceding paragraph, taking the agreed price as the basis for computing the taxable value.

In order to facilitate the examination of goods subject to commodity tax and the levying of the tax, the Ministry of Finance may, after consideration of the circumstances, adopt a graded tax; the method of calculating the grades shall also be laid down by the Ministry of Finance.

( End )

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